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ANSWERS  
TO  
THROWER'S  
ARITHMETICAL QUESTIONS.

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3/6



47. 478.





# ANSWERS



OF

## ARITHMETICAL QUESTIONS,

BY W. THROWER,

ARITHMETICAL MASTER IN THE ENGLISH DEPARTMENT OF THE FREE  
GRAMMAR SCHOOL OF KING EDWARD THE SIXTH,

---

BIRMINGHAM:  
J. H. BEILBY, NEW STREET; H. C. LANGBRIDGE, BULL STREET.  
MDCCCXLVII.



## NUMERATION. (Page 5.)

### No. 1.

- A 1 Seven hundred and nine.  
 2 Three thousand and eighty-four.  
 3 Four hundred and six thousand and eighty-four.  
 4 Seventy millions, eighty-three thousand and forty-one.  
 5 Six hundred and seventy millions, seven hundred and five thousand, eight hundred and nine.  
 6 365  
 7 7084  
 8 600430  
 9 5712843  
 10 840040068  
 B 1 CCCVII. XLVI.  
 2 MXLV. LVIII.  
 3  $\overline{\text{MDLXVI}}$ . LXXV.  
 4  $\overline{\text{LVCCCCXIX}}$ . CIX.

B 5  $\overline{\text{DCCVII DLXXXVII}}$ . MDCCCXL.

- 6 57  
 7 318  
 8 1846  
 9 150709  
 10 2000500  
 C 1  $7 \times 20 + 11 - 21 \div 10 = 13$   
 2  $219 \div 3 \times 4 - 92 + 24 = 224$   
 3  $78 - 14 \div 8 \times 9 + 14 = 86$   
 4  $15 \times 15 \div 5 + 16 - 31 = 30$

(Page 6.)

- 5  $8 \times 16 + 28 - 24 \div 11 = 12$   
 6  $21 \times 8 - 28 + 40 \div 6 = 30$   
 7  $11 + 11 - 2 + 4 \times 8 \div 4 = 48$   
 8  $12 - 9 + 10 \times 8 \div 8 - 4 = 15$   
 9  $24 \div 3 + 4 - 4 \times 8 - 8 = 56$   
 10  $9 - 6 \times 9 + 9 \div 4 - 3 = 6$

## SIMPLE ADDITION. (Page 6.)

### No. 2.

- A 1 22591  
 2 30672  
 3 19338  
 4 12119  
 5 25387  
 6 19942  
 7 76180  
 8 93332  
 9 118888  
 10 250907  
 B 1 107702  
 2 184549  
 3 87725  
 4 28734  
 5 62752  
 6 669860  
 7 125542  
 8 1067803  
 9 153018  
 10 120686

- C 1 126265  
 2 167919  
 3 93620  
 4 210836  
   (Page 7.)  
 5 139067  
 6 64320  
 7 197005  
 8 127271  
 9 126265  
 10 167919  
 D 1 785614  
 2 220188  
 3 267253  
 4 729954  
 5 613886  
 6 431188  
 7 850529  
 8 725520  
 9 93058  
 10 73619

- E 1 399201  
 2 1055527  
 3 61576  
 4 77317  
 5 353023  
 6 76513  
 7 139991  
 8 115585  
 9 97182  
 10 634340  
 F 1 123036  
 2 57438  
 3 1211498  
 4 116548  
 5 1212191  
 6 1188127  
 7 955496  
 8 66135  
 9 110172  
 10 197769

- G 1 782376  
 2 41327  
 3 92102  
 4 55438  
   (Page 8.)  
 5 115643  
 6 133667  
 7 1097230  
 8 551259  
 9 311052  
 10 1101885  
 H 1 1101159  
 2 880413  
 3 1645421  
 4 480271  
 5 950558  
 6 831631  
 7 424666  
 8 111143  
 9 549103  
 10 116411



I 1 591671  
2 581327  
3 109124  
4 187271  
5 147709  
6 241046  
7 830830  
8 490213  
9 789504  
10 458802

J 1 6730362  
2 908948  
3 777062  
4 478015  
5 72481077  
6 43181848  
7 7250566  
8 5495255  
9 9739736  
10 11623083

K 1 63191555  
2 4564106  
3 3856988  
4 11305660  
(Page 9.)  
5 10433752  
6 72989296  
7 48789510  
8 3277497  
9 18276720  
10 2164057

L 1 12744818  
2 6378621  
3 1213087  
4 3365282  
5 820324  
6 2379342  
7 53982610  
8 899403  
9 6840876  
10 3831717

### QUESTIONS. (Page 9.)

A 1 2742  
2 1846  
3 456  
4 1617  
5 2272  
6 353  
7 1894  
8 166

A 9 1848  
10 649  
B 1 145  
2 6058  
(Page 10.)  
3 21250000  
4 64  
5 1153

B 6 358  
7 2546  
8 104  
9 284  
10 973  
C 1 3401  
2 73  
3 787

C 4 1846  
5 1540  
6 96  
7 65  
8 279  
(Page 11.)  
9 396  
10 30812

### SIMPLE SUBTRACTION. (Page 11.)

#### No. 3.

A 1 3089885  
2 2898774  
3 1860959  
4 2431172  
5 2443162  
6 2630797  
7 2131003  
8 11395732  
9 296993600  
10 271862019  
B 1 193435702  
2 75883310  
3 26198669  
4 39596183  
5 29607921  
6 123580986  
7 46072222  
8 180708996  
9 138256135  
10 599899985  
C 1 68859541  
2 600000000  
3 615988897  
4 30134528  
5 6128716

C 6 66505542  
7 30226  
8 2999998  
9 1689430  
10 110833984  
D 1 222698719  
2 10812309  
3 30969529  
4 22660114  
5 288912208  
6 14856978  
7 13022694  
8 10287191  
9 9699944  
10 308150649  
E 1 9809999  
2 1125  
3 298999089  
4 10240  
5 715  
6 26  
7 185689567  
8 109908780  
9 9999959  
10 59973

F 1 100059904  
2 1125359  
3 31991  
4 998410  
5 56902  
6 110119997  
7 99999982  
8 25859574  
9 129978  
10 10081  
G 1 28854663  
2 12885842  
3 28175705  
4 245691914  
(Page 12.)  
5 392686936  
6 2430193  
7 149669878  
8 10999100  
9 81990  
10 192289895  
H 1 522657477  
2 199039970  
3 241761537  
4 5383376  
5 60167483

H 6 9653266  
7 2988808  
8 100000993  
9 192763  
10 231569181  
I 1 107999461  
2 23895036  
3 260751862  
4 29990948  
5 19189943  
6 9684632  
7 42299  
8 173056997  
9 146323889  
10 13003601  
J 1 23975132  
2 697  
3 54310861  
4 41391  
5 85988019  
6 297024  
7 24999340  
8 569629  
9 23899008  
10 12922

K 1 12199922	K 6 24297668	L 1 190222987	L 6 33097997
2 8999989	7 19983999	2 17916640	7 9899099
3 127316515	8 4946	3 19992303	8 289704
4 22899776	9 20809997	4 31391668	9 19954756
5 318249849	10 1196759	5 39680252	10 2322

## QUESTIONS. (Page 12.)

A 1 186	A 8 51	B 6 50000	C 4 142
2 266	9 54	7 35	(Page 14.)
3 397	10 960	8 100	5 135
4 197	B1 £15915211	9 169	6 411186
5 71	2 £1239	10 202	7 443
6 152	3 2777983	C 1 93	8 15255
(Page 13.)	4 931	2 228	9 1426
7 544	5 5747	3 294	10 180

## SIMPLE MULTIPLICATION. (Page 14.)

## No. 4.

A 1 821792778	D 2 9618532900092	G 2 315821281337
2 922201935	3 1707023840	3 534131299176
3 1956356672	4 5025640500	4 37285055996
4 3792053420	5 48546422112	5 490417579980
5 4844465214	6 269079527988	6 36100385844
6 2688760942	7 165018629174	7 36780485294
7 1928547512	8 221068819027	8 397386785824
8 3698550522	9 2333827179225	9 4455266687784
9 7204608480	10 2619740354541	10 28319444491206
10 9247528057	(Page 15.)	H 1 1940250527616
B 1 8893034508	E 1 381466272	2 23621151010995
2 250609944	2 846439913	3 17629713332248
3 520015552	3 252820872	4 1516967914105
4 255723876	4 6398862237	5 21331634317481
5 157021513	5 889162116	6 42897993175632
6 869024100	6 1305954382	7 56957112580664
7 701151416	7 1710274650	8 4178542464600
8 35241782	8 2919553191	9 35796925510272
9 9726262	9 34089213054	10 77196956842992
10 149372182	10 42228024272	I 1 23619994726044
C 1 3712614	F 1 1798353432	2 10313602399085
2 12084532	2 58544517834	3 42340778253876
3 47327502076	3 72331958424	4 780769200326572
4 3456152025	4 3632712706	5 42517657402786
5 598054443	5 347658282	6 441301097292468
6 2698576365	6 8375676412	7 6573291521288
7 79191096904	7 80605838352	8 6535091152642
8 43876673804	8 125670340116	9 8150895043269
9 13324064481	9 1147492248	10 73782202780592
10 22696126488	10 37720383087	J 1 25065724787136
D 1 3756904983	G 1 191802891491	2 515078827779344

J 3 224160067983537  
 4 34371797089114  
 5 18695756692074  
 6 267905346878710  
 7 231265832890008  
 8 11725431597768  
 9 636385402205488  
 10 860897518924536  
 K 1 2160418884  
 2 717713096026  
 3 353008972602  
 4 144585420831  
 5 1044771111590

K 6 599961567212  
 7 29706953239044  
 8 361072960440  
 9 72518898899030  
 10 4323236103664  
 L 1 1734747226875  
 2 1838277071351641  
 3 16815867153712  
 4 52054217601771  
 5 26076784928501  
 6 48361297170240  
 7 40813127230080  
 8 14406765863024

L 9 672635087817  
 10 3482569401472  
 (Page 16.)  
 M 1 42066743711433  
 2 5428131255027  
 3 6761812860818  
 4 9464519053030  
 5 565700886144528  
 6 24823609945802  
 7 10402223863324  
 8 63118633735558  
 9 18097666660456  
 10 3153725918400

### QUESTIONS. (Page 16.)

A 1 60  
 2 28550  
 3 253  
 4 91104  
 5 £260  
 6 91236  
 7 8120  
 8 £408

A 9 98648041  
 10 1935  
 B 1 1305  
 2 5321  
 3 29160  
 4 870000  
 5 32079  
 6 14352

B 7 453600  
 8 1469  
 (Page 17.)  
 9 578816640000  
 10 9633  
 C 1 2925  
 2 12285  
 3 368

C 4 31735  
 5 17262  
 6 720  
 7 2555  
 8 £4015  
 9 1363  
 10 £12055

### SIMPLE DIVISION. (Page 17.)

#### No. 5.

A 1 140320534  
 2 128034616  
 3 102676710 . 1 rem.  
 4 124821673 . 3 ..  
 5 68447203 . . . 1 ..  
 6 101201526 . . 2 ..  
 7 75513551 . . . 5 ..  
 8 45614812  
 9 77766655 . . . 5 ..  
 10 73518728 . . . 1 ..  
 B 1 34239108 . . 10 ..  
 2 123780727 . . 5 ..  
 3 120280489  
 4 9270655 . . . 6 ..  
 5 768081 . . . . 5 ..  
 6 3738512 . . . 9 ..  
 7 58561451 . . . 4 ..  
 8 26131250 . . . 8 ..  
 9 13356722 . . . 0 ..  
 10 966728 . . . 19 ..  
 C 1 246556 . . . 22 ..  
 2 1783510 . . . 12 ..  
 3 16370293 . . . 29 ..

C 4 7722337 . . . 39 rem.  
 (Page 18.)  
 5 4053856 . . . 57 ..  
 6 3899185 . . . 28 ..  
 7 38503 . . . . 70 ..  
 8 4321 . . . . 97 ..  
 9 576063 . . . 102 ..  
 10 2851647 . . 116 ..  
 D 1 4366120 . . . 86 ..  
 2 4549141 . . 141 ..  
 3 1741422 . . 236 ..  
 4 2245633 . . 281 ..  
 5 729011 . . . 333 ..  
 6 173279 . . . 43 ..  
 7 198871 . . . 328 ..  
 8 297257 . . 2141 ..  
 9 90339 . . . 2182 ..  
 10 43743 . . . 4984 ..  
 E 1 58669572 . . . 2 ..  
 2 3503013 . . . 4 ..  
 3 33415762 . . . 4 ..  
 4 65581880 . . . 3 ..  
 5 500081 . . . . 4 ..

E 6 12035769 . . . 5 rem. .  
 7 14943109 . . 12 ..  
 8 19463897 . . 17 ..  
 9 166090 . . . . 1 ..  
 10 17407414 . . 20 ..  
 F 1 385237 . . . . 4 ..  
 2 12398363 . . 15 ..  
 3 330803 . . . 59 ..  
 4 887141 . . . 77 ..  
 5 9181918 . . 23 ..  
 6 253652 . . . 52 ..  
 7 1578126 . . 152 ..  
 8 1024290 . . 134 ..  
 9 168727 . . . 141 ..  
 10 1797189 . . 175 ..  
 G 1 3557 . . . . 466 ..  
 2 1107630 . . 436 ..  
 3 615306 . . . 127 ..  
 4 364501 . . . 528 ..  
 5 88353 . . . 248 ..  
 6 173415 . . 2566 ..  
 7 40755 . . . 5334 ..  
 8 125797 . . 4344 ..

G 9 7406....20703 rem.	I 10 8547777....21 rem.	K 10 130484....108 rem.
10 16584....6870 ..	J 1 1068749....54 ..	L 1 1509722.. 177 ..
H 1 220805....102 ..	2 57722....2360 ..	2 322452.. 1522 ..
2 9821426... 23 ..	3 852881....672 ..	3 249760....173 ..
3 1670071.. 175 ..	4 178681.. 3420 ..	4 65875.... 168 ..
4 51337288... 5 ..	5 163182... 42 ..	5 25615....3027 ..
5 10105805 ..58 ..	6 32642....1752 ..	6 397.... 4092 ..
6 1421484.. 127 ..	7 113502.. 7252 ..	7 5987....27717 ..
7 9345215.... 3 ..	8 73931....2179 ..	8 19521.. 11775 ..
8 26920141.. 17 ..	9 12464.. 45730 ..	9 100223.. 2921 ..
9 1576193.. 140 ..	10 3831....38830 ..	10 2357.... 1650 ..
10 6175569.... 4 ..	K 1 75113323....2 ..	M 1 6372
I 1 2208975....37 ..	2 5258837.... 3 ..	2 23910.....32 ..
2 267234.. 1903 ..	3 14080.... 231 ..	3 1903.....216 ..
3 461446... 15 ..	4 126460.... 22 ..	4 238.....10 ..
4 4131240....58 ..	(Page 19.)	5 1205548.. 325 ..
5 1098109.. 110 ..	5 79505.... 378 ..	6 201..... 408 ..
6 34224860.. 1 ..	6 2143489.. 358 ..	7 29815....1774 ..
7 11821698.. 16 ..	7 23381.... 662 ..	8 1067.... 1393 ..
8 75561.....32 ..	8 1831954.. 419 ..	9 576043
9 37334761....5 ..	9 14023409....2 ..	10 6285....26108 ..

## QUESTIONS. (Page 19.)

A I 70043	A 9 £37	B 6 76	C 4 897
2 53	10 109	7 21 days 8 hours	5 19 .. 13 rem.
3 377512	B 1 27	8 72	6 74
4 19	2 42	9 148 days 14 hrs.	7 60
5 4083	3 25	10 1376	8 280
6 7403	(Page 20.)	C 1 76	9 234
7 245	4 60	2 26	10 568
8 £25	5 120	3 37	

## REDUCTION. (Page 20.)

## No. 6.

A 1 84331 farthings.	B 4 865 crowns, 103807 halfpence.
2 4381 sixpences.	5 64609 half crowns.
(Page 21.)	6 £87 12s. 2½d.
3 38761 twopences.	7 76 guineas, 16s. 8d.
4 70829 halfpence.	8 77 moi. 20s. 0½d.
5 18511 groats.	9 £63 15s. 6d.
6 84000 threepences.	10 96 guineas 9s.
7 7260 half crowns.	C 1 759moi. 10s.
8 32577 threepences, 390924 farthings.	2 460 guineas 20s.
9 24410 groats, 195281 halfpence.	3 £1351 2s. 8d.
10 24509 sixpences.	4 £6 2s. 4½d.
B 1 3634 crowns, 36341 sixpences.	5 162 half guineas 2s. 4½d.
436093 halfpence.	6 653moi. 9s.
2 4688 groats, 37505 halfpence.	7 £168 5s. 1½d.
3 51901 twopences, 415208 farthings.	8 38 guineas 8s. 4d.

- C 9 60 guineas 9s.  
 10 380moi. 8s. 3d.  
 D 1 £388 3s.  
 2 5198 moi. 14s.  
 3 2581 half gui. 3s. 6d. over.  
 4 9543 guineas 12s.  
 5 638 pieces  
 6 4736 pieces, 2s. over.  
 7 3127 pieces, 3s. 6d.  
 8 2089moi.  
 9 3538 sixpences.  
 10 861 crowns 4s. 6d.  
 E 1 2155 pieces.  
 2 4536 moidores.  
 (Page 22.)  
 3 12620 pieces, 38 pence over.  
 4 5835 pieces, 60 pence over.  
 5 2046 half sovereigns, 3s. over.  
 6 2322 pieces, 3s. over.  
 7 5608 pieces, 2s. over.  
 8 £1252 16s. 0d.  
 9 7163 pieces, 1s. 6d. over.  
 10 818 pieces, 5d. over.  
 F 1 £103 0s. 10d.  
 2 2834 crowns, 42512 groats.  
 3 2000 guineas 15s.  
 4 91 of each.  
 5 £48 13s. or 46704 farthings.  
 6 1253 sixpences.  
 7 £78 9s. 6d.  
 8 9109 halfpence.  
 9 3584818 fifths of farthings.  
 10 8 guineas 3s. 1d.  
 G 1 171 of each, 33d. over.  
 2 78moi. 3s. 3d.  
 3 851 crowns, 10531 twopences.  
 4 508 half gui., 7s. over.  
 5 238 of each, 3309 farthings over.  
 6 52 of each.  
 7 155 guineas.  
 8 £5 6s. 11½d.  
 9 3723917 eighths.  
 10 311 pieces, 2s. over.  
 H 1 23 of each.  
 2 638 threepences, 2d. over.  
 3 101 guineas 14s. 6d.  
 4 130 half gui., 63d. over.  
 (Page 23.)  
 5 466 crowns, 1s. over.

- H 6 4712 groats, 37697 halfpence.  
 7 £117 9s. 6d. or 4009 sixpences.  
 8 £0230 3s. 6d.  
 9 310236 dollars.  
 10 3385 guineas 17s. 6d.  
 I 1 £1153 8s. 0d.  
 2 37 of each.  
 3 391604 farthings.  
 4 £390 1s. 6d.  
 5 23 of each.  
 6 661 pieces, 127 halfpence over.  
 7 2536 pieces.  
 8 539 half gui., 3s. 6d. over.  
 9 400 threepences.  
 10 50158 twopences.  
 J 1 6180567 eighths.  
 2 042757 eighths.  
 3 076007 eighths.  
 4 £213 18s. 0d.  
 5 29 guineas 9s. 5d.  
 6 78moi. 4s. 6d.  
 7 57 of each.  
 8 1461 crowns, 3s. over.  
 9 12151 sixpences, 145813 halfpence.  
 10 7210½ pieces.  
 K 1 2873 pence.  
 2 534 guineas 18s.  
 3 103 of each.  
 4 35 of each, 82 halfpence over.  
 (Page 24.)  
 5 3086 of each, and 176d. over.  
 6 58 of each.  
 7 1750 in all.  
 8 £48 0s. 9d.  
 9 £441  
 10 168 persons.  
 L 1 8185 bar.corns.  
 2 5fur. 7p. 1½yds. 2ft. 4in.  
 3 6471 yards.  
 4 1866fur. 29p. 3½yds., or 238m. 2fur.  
 29p. 3½yds.  
 5 3508 poles.  
 6 251lea. 0m. 3fur. 6p.  
 7 43321½ feet.  
 8 31m. 7fur. 25p. 4½yds.  
 9 2390756 inches.  
 10 21 lea. 1m. 6fur. 21p. 2½yds. 2ft.  
 M 1 42240 times.  
 2 8744 times.

M3 6831921 inches.

4 123lea. 1fur. 8p. 2yds. 2ft. lin. 1b.c.,  
or 123lea. 266yds. 2ft. lin. 1b.c.

5 5040 boats.

6 10400 times.

7 3m. 2fur. 38p. 2yds. 1½ft., or 3m.  
640yds. 1½ft.

(Page 25.)

8 10751400 bar.corns.

9 5m. 7fur. 19p. 1½yds. 2ft. 3in. or  
5m. 1648yds. 2ft. 3in.

10 5 furlongs.

N 1 14 feet.

2 2991429 inches.

3 182016 bar.corns.

4 4m. 6fur. 39p. 1½yds. 0ft. 5in., or  
4m. 1536yds. 5in.

5 29700 revolutions.

6 30m 1200 yds. per hour, or  
368m. 320 yards per day.

7 590304 feet.

8 7143840 inches.

9 27m. 480yds. or 27m. 2fur. 7p. 1½yd.

10 8236800 inches.

O 1 52800 steps.

2 44lea. 0m. 5fur. 37p. 4½yds. 2ft. 2in.  
or 44lea. 0m. 1308yds. 2ft. 2in,

3 17 feet.

4 70 miles.

5 2484024 feet.

6 27522000 feet.

7 15 degrees.

8 16 feet and 10 feet.

9 5068800 pieces.

10 2277 fathoms.

P 1 11 days.

(Page 26.)

2 1056844800.

3 3m. 4fur.

4 10 feet, and 16½ feet.

5 18 miles.

6 525yds. 3qrs. 1n.

7 753 nails.

8 206 Eng. ells 4qrs. 1n.

9 337 French ells 3qrs. 3n.

10 888yds. 3qrs.

Q 1 320 Eng. ells 2qrs.

2 474 yards.

3 706 French ells 3 qrs.

Q 4 170 French ells 1qr. 3n.

5 1362½ inches.

6 2321½ inches.

7 1784½ inches.

8 1647 Eng. ells 2qrs. 1n. ½in.

9 990 Flem. ells 2qrs.

10 220 coats.

R 1 24 jackets.

2 162 nails.

3 112 suits.

4 32 sheets.

5 2250 coats.

(Page 27.)

6 5388 perches.

7 84 a. 3 r. 22 p. 11½ yds., or  
84 a. 4307 yds.

8 2068p. 1yd. 8ft. 93in.

9 159754214 inches.

10 85 pieces.

S 1 125 enclosures.

2 264 allotments.

3 4396 perches.

4 20072448000 square inches.

5 7 miles:

6 180yds. 7ft. 461 in.

7 3535796 inches.

8 10 tons 8 feet.

9 397440 inches.

10 233280 inches.

T 1 375 tons 8cwt. 3qrs. 26lbs.

2 4246 pounds.

3 600cwt. 2qrs. 21lbs. 6oz.

4 520360 drams.

5 67 tons 11cwt. 3qr. 26lb. 4oz. 13 drs.

6 114st. 8lbs. 3oz. 11drs.

7 1065088 drams.

8 126067 ounces

9 78cwt. 2qrs. 25lbs. 1oz.

10 25078 drams.

U 1 537½ slices.

2 24 canisters.

3 256 tons 14cwt. 1 stone.

4 31032 pounds

5 10 parcels.

(Page 28.)

6 224 boxes.

7 14 tons 13cwt. 1qr. 9lbs. 0oz. 8drs.

8 855246 ounces.

9 111 bars.

U10 114 tons 11cwt. 1qr. 25lbs. 8oz.

V1 18 of each, 108 in the whole.

2 802 lbs. 1oz.

3 2181336 drams.

4 28cwt. 2qrs. 17lb. 1oz. 6dr.

5 10269639 eighths.

6 376 hhds.

7 224cwt. 2qr. 24lbs.

8 52cwt. 1qr. 23½lbs., or 5875½lbs.

9 71tons 12cwt. 1qr. 11lbs. 9oz. 4drs.

10 680335lbs.

W1 507570 drams.

2 362 parcels.

3 526 tons 0cwt. 3st.

4 615 stones.

5 28 parcels.

6 648 of each, 1944 in the whole.

7 33958 pounds.

8 11st. 6lbs, 6oz. 12dr.

(Page 29.)

9 144 of each, 576 in all.

10 1108 lbs. 4oz.

X1 20 of each, 80 altogether.

2 23 of each, 115 altogether.

3 31 canisters.

4 1833st. 5lbs. 11oz., or 229cwt. 1st.  
5lbs. 11oz.

5 1085440 drams.

6 339709 grains.

7 145lbs. 10oz. 2dwts. 19grs.

8 45 watch cases.

9 26 snuff boxes.

10 38 dozen 10 spoons, 1626grs. over.

Y1 31534 pounds.

2 248 lasts 3sa. 1w. 3½tods 1lb.

3 117 packs.

4 146 lbs. 0oz. 1dr. 2sc. 3grs.

5 2169994 grains.

6 26 parcels.

7 34275 grains.

8 1020360 min.

9 40gals. Opts. 7oz. 4drs. 21min.

10 4gals. 2pts. 3oz. 4drs.

Z1 814 hhds. 47gals. 2qts. 1pt.

(Page 30.)

2 11638 pints.

3 192 bottles.

4 268pun. 68gal. 1qt. 1pt.

5 1094oz.

Z 6 130330 pints.

7 168hhds., or 72376 pints.

8 62 of each., 54qts. over.

9 142bar. 17gal. 3qts.

10 2067 quarts.

A 2 1 3582 gallons.

2 1447qrs. 3bus. Opks. 0gal. 2qts.

3 1120 horses.

4 131 lasts 0w. 4qrs. 1bus. 1pk.

5 112384 barleycorns.

6 584chal. 1bus. 3pks.

7 17355 pecks.

8 936 sacks.

9 85 reams 10qui. 23shts.

10 11415 sheets.

B 2 1 60½ books.

2 6528278 seconds.

3 97da. 8hrs. 18m. 13sec.

4 188 days, 16243200sec.

5 23293 days.

6 208mths., or 16yrs. 0mths. 2w. 2d.  
18hrs. 13min.

7 160 days, 3840hrs., 230400min.,  
13824000sec.

8 7889400 minutes.

9 170820 times.

(Page 31.)

10 136940 hours.

C 2 1 25883998 hours.

2 58223772000 seconds.

3 5280 hours.

4 365 days 5hrs. 48min. 48sec.

5 2416200240 minutes.

6 10965 hours.

7 5880hrs. or 21168000 seconds.

8 306633600 seconds.

9 30579314400 seconds.

10 2419200 seconds.

D 2 1 306720 minutes.

2 31556928 seconds.

3 303 days.

4 2yrs. 8mths. 3wk. 0da. 10hrs.  
46min. 48 sec.

5 34187400 vibrations.

6 2457615 tenths.

7 22089849600 seconds.

8 154 days 3hrs. 51½min.

9 184595176800 sec.

10 84 years,

## NOTATION. (Page 32.)

## No. 7.

A 1 1111110	A 9 15100	B 7 t53	C 4 201e3t9
2 26	10 10000	8 11112	5 21580420
3 22010	B 1 1111	9 240	6 1110223212
4 3902	2 615	10 2422	7 5t0004
5 429	3 460tt	C 1 153127	8 50446236
6 3434	4 59872	2 35e213	9 993344
7 429	5 4601	3 313032	10 8454852
8 1295	6 227950		

## COMPOUND ADDITION. (Page 33.)

## No. 8.

A 1 952 $\frac{1}{2}$ 1s. 6 $\frac{1}{2}$ d.	D 4 100yds. 0ft. 0in. 0b.c.
2 7396 $\frac{1}{2}$ 19s. 2d.	5 768yds. 0ft. 8in. 0b.c.
3 2682 $\frac{1}{2}$ 14s. 0 $\frac{1}{2}$ d.	6 1957po. 0yds. 0ft. 7in.
4 5722 $\frac{1}{2}$ 3s. 6 $\frac{1}{2}$ d.	7 2131po. 0yds. 2ft. 5in.
5 5587 $\frac{1}{2}$ 16s. 1d.	(Page 35.)
6 8253 $\frac{1}{2}$ 2s. 3 $\frac{1}{2}$ d.	8 2385lea. 1m. 1fur. 37po.
7 2267 $\frac{1}{2}$ 6s. 8 $\frac{1}{2}$ d.	9 1985lea. 2m. 3fur. 32po.
8 9260 $\frac{1}{2}$ 7s. 11 $\frac{1}{2}$ d.	10 2070lea. 0m. 5fur. 13po.
9 11443 $\frac{1}{2}$ 1s. 0 $\frac{1}{2}$ d.	E 1 2078m. 6fur. 28po. 4yds.
10 12672 $\frac{1}{2}$ 12s. 2 $\frac{1}{2}$ d.	2 1568m. 2fur. 33po. 1 $\frac{1}{2}$ yds.
B 1 13265 $\frac{1}{2}$ 17s. 6 $\frac{1}{2}$ d.	3 887m. 3fur. 20po. 4yds.
2 4487 $\frac{1}{2}$ 1s. 4d.	4 1605m. 1fur. 0po. 3 $\frac{1}{2}$ yds.
3 7132 $\frac{1}{2}$ 6s. 11d.	5 2940fur. 24po. 4yds. 2ft.
4 7939 $\frac{1}{2}$ 13s. 10 $\frac{1}{2}$ d.	6 2981fur. 2po. 2 $\frac{1}{2}$ yds. 0ft.
5 17831 $\frac{1}{2}$ 7s. 0 $\frac{1}{2}$ d.	7 3184fur. 5po. 5yds. 0ft.
6 16324 $\frac{1}{2}$ 0s. 0 $\frac{1}{2}$ d.	8 3171fur. 22po. $\frac{1}{2}$ yds. 0ft.
7 3980 $\frac{1}{2}$ 0s. 8d.	9 1686m. 329yds. 0ft. 7in.
8 4436 $\frac{1}{2}$ 13s. 8 $\frac{1}{2}$ d.	10 2355m. 15yds. 1ft. 9in.
9 15456 $\frac{1}{2}$ 1s. 0 $\frac{1}{2}$ d.	F 1 2637m. 1673yds. 0ft. 10in.
(Page 34.)	2 2590m. 1653yds. 0ft. 1in.
10 11785 $\frac{1}{2}$ 2s. 2d.	3 3170fur; 169yds. 0ft. 6in.
C 1 13349 $\frac{1}{2}$ 0s. 6 $\frac{1}{2}$ d.	4 3154fur. 130yds. 1ft. 4in.
2 11066 $\frac{1}{2}$ 6s. 1 $\frac{1}{2}$ d.	5 2500fur. 203yds. 0ft. 8in.
3 11491 $\frac{1}{2}$ 2s. 4 $\frac{1}{2}$ d.	(Page 36.)
4 9045 $\frac{1}{2}$ 7s. 0d.	6 2224fur. 214yds. 2ft. 5in.
5 17157 $\frac{1}{2}$ 18s. 10 $\frac{1}{2}$ d.	7 2574lea. 0m. 5fur. 26po.
6 12909 $\frac{1}{2}$ 18s. 10 $\frac{1}{2}$ d.	8 2306lea. 1m. 5fur. 1po.
7 7268 $\frac{1}{2}$ 3s. 7d.	9 2416yds. 0qrs. 2n.
8 14187 $\frac{1}{2}$ 10s. 5d.	10 2024yds. 0qrs. 3n.
9 7582 $\frac{1}{2}$ 6s. 6d.	G 1 2970yds. 0qrs. 3n.
10 16210 $\frac{1}{2}$ 10s. 4d.	2 1699Eng. ells 1qr. 0n.
D 1 5176 $\frac{1}{2}$ 16s. 5 $\frac{1}{2}$ d.	3 3058Eng. ells 1qr. 0n.
2 11089 $\frac{1}{2}$ 0s. 2 $\frac{1}{2}$ d.	4 2196Eng. ells 1qr. 1n.
3 21061 3s. 3 $\frac{1}{2}$ d.	5 1084Eng. ells 2qr. 1n.



- G 6 2676 French ells 4qr. 3n.  
 7 2166 French ells 0qr. 2n.  
 8 2635 French ells 2qr. 2n.  
 9 1567 French ells 5qr. 3n.  
 10 2040 Flem. ells 0qr. 1n.  
 H 1 2111 Flem. ells 2qr. 2n.  
 2 2888 Flem. ells 2qr. 3n.  
 3 2416 Flem. ells 0qr. 0n.  
 4 2110yds. 2ft. 134in.

(Page 37.)

- 5 1853yds. 3ft. 8in.  
 6 2168yds. 4ft. 114in.  
 7 1681yds. 6ft. 85in.  
 8 1931yds. 2ft. 71in.  
 9 2347yds. 3ft. 44in.  
 10 2070yds. 7ft. 141in.  
 I 1 1652po. 27½yds. 0ft.  
 2 1193po. 6½yds. 4ft.  
 3 1550po. 17½yds. 3ft.  
 4 1877po. 2½yds. 5ft.  
 5 1938a. 1488yds. 8ft.  
 6 2345a. 1997yds. 8ft.  
 7 1903a. 3160yds. 6ft.  
 8 1645r. 26p. 18½yds.  
 9 2134r. 29p. 19½yds.  
 10 2395r. 35p. 24½yds.  
 J 1 2264a. 1r. 8p.  
 2 2110a. 3r. 30p.

(Page 38.)

- 3 2375a. 1r. 4p.  
 4 1910yds. 25ft. 1711in.  
 5 2195yds. 9ft. 33in.  
 6 1936yds. 0ft. 1016in.  
 7 9383yds. 20ft. 149in.  
 8 7737yds. 5ft. 1496in.  
 9 3099yds. 1ft. 466in.  
 10 9125yds. 10ft. 462in.  
 K 1 11908yds. 26ft. 29in.  
 2 7751yds. 24ft. 1658in.  
 3 4902yds. 10ft. 944in.  
 4 4148yds. 1ft. 1687in.  
 5 8469yds. 24ft. 468in.  
 6 7330yds. 18ft. 1210in.  
 7 3547yds. 25ft. 513in.  
 8 11719yds. 15ft. 1684in.  
 9 4861yds. 21ft. 1297in.  
 10 5041yds. 1ft. 1586in.  
 L 1 10504yds. 23ft. 644in.

(Page 39.)

- L 2 7724yds. 13ft. 386in.  
 3 10980yds. 7ft. 138in.  
 4 12422lbs. 12oz. 11drs.  
 5 15931lbs. 12oz. 7drs.  
 6 5164lbs. 7oz. 0drs.  
 7 4534cwt. 3qr. 0lbs. 2oz.  
 8 9533cwt. 1qr. 14lbs. 15oz.  
 9 8736cwt. 1qr. 12lbs. 8oz.  
 10 12675cwt. 3qr. 9lbs. 15oz.  
 M 1 12373cwt. 2qr. 21lbs. 11oz.  
 2 10883cwt. 2qr. 9lbs. 1oz.  
 3 9313cwt. 0qr. 18lbs. 1oz.  
 4 12906cwt. 3qr. 1lb. 11oz.  
 5 5400tons 2cwt. 2qr. 18lbs.  
 6 1720tons 4cwt. 2qr. 27lbs.  
 7 7909tons 12cwt. 2qr. 11lbs.  
 8 11093tons 15cwt. 1qr. 20lbs.

(Page 40.)

- 9 1261st. 7lbs. 7oz. 8drs.  
 10 10618st. 3lbs. 1oz. 9drs.  
 N 1 2697st. 6lbs. 3oz. 12drs.  
 2 2298st. 8lbs. 2oz. 2drs.  
 3 16740tons 8cwt. 2qr. 18lbs.  
 4 8448tons 4cwt. 0qr. 21lbs.  
 5 16394tons 19cwt. 1qr. 18lbs.  
 6 7741tons 10cwt. 0qr. 0lbs.  
 7 1209st. 0lbs. 8oz. 11drs.  
 8 1604st. 2lbs. 10oz. 12drs.  
 9 22721oz. 2dwt. 3grs.  
 10 7712oz. 17dwt. 19grs.  
 O 1 16494oz. 19dwt. 3grs.  
 2 5973oz. 9dwt. 18grs.  
 3 5185oz. 7dwt. 9grs.  
 4 16825oz. 14dwt. 3grs.  
 5 1105lbs. 11oz. 18dwt. 13grs.

(Page 41.)

- 6 1871lbs. 0oz. 15dwt. 20grs.  
 7 2378lbs. 10oz. 2dwt. 10grs.  
 8 2295lbs. 11oz. 9dwt. 0grs.  
 9 1051 lasts 5 sacks 1 wey  
 10 2291 lasts 8 sacks 1 wey  
 P 1 2073 weys 5 tods 1st.  
 2 2004 weys 2 tods 1st.  
 3 1695 tods 1st. 7lbs.  
 4 2557 tods 1st. 0lbs.  
 5 2436oz. 3dr. 1sc. 0grs.  
 6 2132oz. 7dr. 0sc. 11grs.  
 7 1515oz. 6dr. 1sc. 15grs.

P 8 2122lbs. 5oz. 5dr. 2sc.  
 9 2243lbs. 0oz. 6dr. 2sc.  
 10 1780lbs. 11oz. 6dr. 0sc.  
 (Page 42.)  
 Q 1 1670gal. 6pts. 13oz. 1dr.  
 2 1515gal. 3pts. 11oz. 1dr.  
 3 1626pts. 4oz. 2dr. 26min.  
 4 2445pts. 0oz. 6dr. 6min.  
 5 13225 pipes 1hhd. 15gals.  
 6 11719 pipes 1hhd. 42gals.  
 7 9136 pipes 1hhd. 50gals.  
 8 17679 pipes 0hhd. 39gals.  
 9 4692hhds. 36gals. 0qts.  
 10 5245hhds. 22gals. 2qts.  
 R 1 13950hhds. 16gals. 0qts.  
 2 12594hhds. 32gals. 0qts.  
 3 2203 tierces 10gals. 0qts.  
 4 11630 tierces 15gals. 2qts.  
 5 13672 pipes 1hhd. 20gals.  
 (Page 43.)  
 6 11618 pipes 1hhd. 45gals.  
 7 8983 pipes 0hhd. 12gals.  
 8 11709 pipes 0hhd. 20gals.  
 9 5739 pipes 1hhd. 18gals.  
 10 2184hhds. 15gals. 1qt.  
 S 1 1587hhds. 39gals. 1qt.  
 2 2701hhds. 20gals. 1qt.  
 3 12166hhds. 3gals. 1qt.  
 4 12124hhds. 40gals. 2qts.  
 5 1229 lasts 1 wey 2qrs. 0bush.  
 6 1978 lasts 0 wey 3qrs. 1bush.  
 7 1371 lasts 1 wey 0qrs. 7bush.  
 8 4157 lasts 1 wey 0qrs. 7bush.

S 9 1202 weys 4qrs. 4bush 0pks.  
 10 1526 weys 0qrs. 4bush. 1pk.  
 T 1 2199 weys 0qrs. 1bush. 1pk.  
 2 1467 weys 1qr. 7bush. 0pk.  
 (Page 44.)  
 3 1056qrs. 7bush. 0pk. 0gals.  
 4 2292qrs. 6bush. 3pk. 0gals.  
 5 2251qrs. 1bush. 3pk. 0gals.  
 6 1692qrs. 5bush. 0pk. 0gals.  
 7 1945bush. 0pks. 1gal. 1qt.  
 8 2186bush. 1pks. 1gal. 2qt.  
 9 2114bush. 0pks. 1gal. 3qt.  
 10 14695ch. 23bush. 0pks.  
 U 1 18012ch. 29bush. 0pks.  
 2 13278ch. 34bush. 2pks.  
 3 2109 reams 17 quires 12shts.  
 4 12541 reams 8 quires 23shts.  
 5 2717yrs. 4mths. 2wks. 6da.  
 6 593yrs. 12mths. 3wks. 3da.  
 7 2007yrs. 6mths. 3wks. 4da.  
 8 2235yrs. 9mths. 2wks. 2da.  
 (Page 45.)  
 9 1118mths. 2wks. 1da. 4hrs.  
 10 1875mths. 3wks. 6da. 7hrs.  
 V 1 1930mths. 0wks. 3da. 1hr.  
 2 1294mths. 2wks. 4da. 4hrs.  
 3 1476wks. 6da. 4hrs. 35min.  
 4 1305wks. 2da. 0hrs. 41min.  
 5 2350wks. 5da. 5hrs. 16min.  
 6 1748wks. 6da. 7hrs. 53min.  
 7 1441da. 16hrs. 55min. 24sec.  
 8 1681da. 5hrs. 56min. 25sec.

# QUESTIONS. (Page 45.)

A 1 437l. 14s. 4½d.  
 2 206l. 0s. 9½d.  
 3 3l. 18s. 7½d.  
 4 286l. 11s. 10½d.  
 5 2548l. 10s. 10½d.  
 6 4878l. 0s. 6d.  
 Page 46.  
 7 44l. 15s. 0d.  
 8 82l. 14s. 4d.  
 9 48l. 18s. 10d.  
 10 1l. 12s. 4d.  
 B 1 112m. 4fur. 0p.  
 2 26m. 1fur. 33p. 2yds.

B 3 48yds. 2qrs. 2n.  
 4 71a. 2r. 0p.  
 5 52a. 2r. 39p.  
 6 132sq. yds. 4ft. 73in.  
 7 198cu. ft. 656cu. in.  
 8 12tons 13cwt. 2qrs. 20lbs.  
 (Page 47.)  
 9 9cwt. 3qrs. 20lbs. 10oz.  
 10 5cwt. 3qrs. 22lbs. 14oz.  
 C 1 8cwt. 0qrs. 12lbs. 2oz.  
 2 30lbs. 3oz. 4dwts. 18grs.  
 3 6lbs. 0oz. 9dwts. 10grs.  
 4 55 packs 3st. 14lbs.

C 5 9 pipes 1hhd. 61gals. 6pts.  
 6 61lbs. 4oz. 4dr. 1gr.  
 7 8bar. 25gals. 3qts.

(Page 48.)  
 C 8 1131qrs. 6bus. 3pks.  
 9 10mths. 0wks. 4da.  
 10 13 days 17hrs. 40min.

## COMPOUND SUBTRACTION. (Page 48.)

### No. 9.

A 1 2004 $\frac{1}{2}$ . 3s. 2 $\frac{1}{2}$ d.  
 2 2154 $\frac{1}{2}$ . 10s. 0 $\frac{1}{2}$ d.  
 3 880 $\frac{1}{2}$ . 18s. 0d.  
 4 1246 $\frac{1}{2}$ . 15s. 6 $\frac{1}{2}$ d.  
 5 706 $\frac{1}{2}$ . 11s. 4 $\frac{1}{2}$ d.  
 6 796 $\frac{1}{2}$ . 4s. 6 $\frac{1}{2}$ d.  
 7 1516 $\frac{1}{2}$ . 15s. 7 $\frac{1}{2}$ d.  
 8 234 $\frac{1}{2}$ . 19s. 3 $\frac{1}{2}$ d.  
 9 21 $\frac{1}{2}$ . 7s. 7 $\frac{1}{2}$ d.  
 10 132 $\frac{1}{2}$ . 8s. 1 $\frac{1}{2}$ d.  
 B 1 1052 $\frac{1}{2}$ . 16s. 4 $\frac{1}{2}$ d.  
 2 991 $\frac{1}{2}$ . 8s. 5 $\frac{1}{2}$ d.  
 3 832 $\frac{1}{2}$ . 6s. 5 $\frac{1}{2}$ d.  
 4 999 $\frac{1}{2}$ . 8s. 10 $\frac{1}{2}$ d.  
 5 1179 $\frac{1}{2}$ . 0d. 9 $\frac{1}{2}$ d.  
 6 2208 $\frac{1}{2}$ . 10d. 9 $\frac{1}{2}$ d.  
 7 4503 $\frac{1}{2}$ . 16s. 5 $\frac{1}{2}$ d.  
 8 916 $\frac{1}{2}$ . 11s. 8 $\frac{1}{2}$ d.  
 9 1671 $\frac{1}{2}$ . 15s. 10d.  
 10 1186 $\frac{1}{2}$ . 9s. 9 $\frac{1}{2}$ d.  
 C 1 28 $\frac{1}{2}$ . 4s. 6 $\frac{1}{2}$ d.  
 2 1217 $\frac{1}{2}$ . 2s. 2 $\frac{1}{2}$ d.  
 3 1105 $\frac{1}{2}$ . 2s. 7 $\frac{1}{2}$ d.  
 4 9 $\frac{1}{2}$ . 13s. 10 $\frac{1}{2}$ d.  
 5 1507 $\frac{1}{2}$ . 7s. 1 $\frac{1}{2}$ d.  
 6 24 $\frac{1}{2}$ . 4s. Cd;  
 7 671 $\frac{1}{2}$ . 17s. 5 $\frac{1}{2}$ d.  
 8 41yds. 1ft. 11in. 1b.c.  
 9 0yds. 1ft. 6in. 1b.c.  
 10 4yds. 1ft. 8in. 2b.c.  
 D 1 24yds. 2ft. 8in. 2b.c.  
 2 17yds. 1ft. 4in. 2b.c.  
 3 10yds. 0ft. 4in. 1b.c.  
 4 9m. 6fur. 0po. 1yd.  
 5 12m. 5fur. 26po. 4 $\frac{1}{2}$ yds.  
 6 10m. 3fur. 21po. 3 $\frac{1}{2}$ yds.  
 7 5m. 7fur. 8po. 3 $\frac{1}{2}$ yds.  
 8 50m. 5fur. 25po. 3 $\frac{1}{2}$ yds.  
 9 6m. 2fur. 25po. 4 $\frac{1}{2}$ yds.  
 (Page 49.)  
 10 12lea. 1m. 4fur. 3po.

E 1 13lea. 0m. 4fur. 32po.  
 2 46lea. 2m. 7fur. 0po.  
 3 26lea. 0m. 5fur. 27po.  
 4 65lea. 1m. 5fur. 17po.  
 5 29lea. 1m. 6fur. 36po.  
 6 15fur. 31po. 4 $\frac{1}{2}$ yds. 0ft.  
 7 38fur. 3po. 1 $\frac{1}{2}$ yds. 1ft.  
 8 7fur. 20po. 1 $\frac{1}{2}$ yds. 2ft.  
 9 27fur. 30po. 3 $\frac{1}{2}$ yds. 2ft.  
 10 9fur. 13po. 0yds. 2ft.  
 F 1 26fur. 20po. 1 $\frac{1}{2}$ yds. 2ft.  
 2 20fur. 23po. 4 $\frac{1}{2}$ yds. 2ft.  
 3 34yds. 3qrs. 2n. 2in.  
 4 21yds. 1qr. 1n. 1 $\frac{1}{2}$ in.  
 5 200yds. 2qr. 3n.  
 6 3027yds. 0qr. 3n.  
 7 3376Fr. ells. 4qrs. 3n.  
 8 85Fr. ells. 2qrs. 1n.  
 9 996Fr. ells. 1qr. 3n.  
 10 2074Fr. ells. 1qr. 3n.  
 G 1 2194Eng. ells. 3qrs. 0n.  
 2 3399Eng. ells. 2qrs. 3n.  
 3 4496Eng. ells. 4qrs. 3n.  
 4 982Fl. ells. 2qrs. 0n.  
 5 2Fl. ells. 2qrs. 2n.  
 6 954Fl. ells. 1qr. 3n.  
 7 4Fl. ells. 0qrs. 2n.  
 8 750yds. 7ft. 18in.  
 9 34yds. 7ft. 11in.  
 10 34yds. 6ft. 67in.  
 H 1 914yds. 6ft. 108in.  
 2 2yds. 6ft. 129in.  
 3 5491p. 94yds. 7ft.  
 4 4p. 9yds. 8ft.  
 5 1573p. 264yds. 2ft.  
 6 1941a. 4243yds. 7ft.  
 7 55a. 3786yds. 4ft.  
 8 3820yds. 2ft.  
 9 30r. 1p. 194yds.  
 10 105r. 29p. 214yds.

I 1 302r. 32p. 22yds.  
 2 312a. 2r. 25p.  
 3 283a. 1r. 21p.  
 4 977a. 3r. 29p.  
 5 1291a. 3r. 7p.  
 6 1406a. Or. 23p.  
 7 891a. 1r. 33p.  
 8 97yds. 18ft. 1318in.  
 9 97yds. 17ft. 1525in.  
 10 110yds. 0ft. 962in.  
 J 1 2225yds. 24ft. 1360in.  
 2 9yds. 23ft. 1126in.  
 3 394yds. 18ft. 816in.  
 4 1016yds. 2ft. 1429in.  
 5 405yds. 23ft. 610in.  
 6 54yds. 16ft. 1123in.  
 7 811yds. 5ft. 1130in.  
 (Page 50.)  
 8 237yds. 19ft. 1408in.  
 9 17yds. 12ft. 1012in.  
 10 319yds. 13ft. 127in.  
 K 1 907yds. 22ft. 1121in.  
 2 57yds. 23ft. 1390in.  
 3 277yds. 24ft. 1128in.  
 4 960yds. 0ft. 1117in.  
 5 25yds. 7ft. 1170in.  
 6 6877yds. 16ft. 129in.  
 7 10yds. 13ft. 937in.  
 8 91yds. 24ft. 1497in.  
 9 184 tons 18cwt. 0qrs. 23lbs.  
 10 98 tons 12cwt. 0qrs. 22lbs.  
 L 1 182 tons 11cwt. 3qrs. 7lbs.  
 2 368 tons 14cwt. 1qr. 21lbs.  
 3 1003 tons 13cwt. 0qrs. 22lbs.  
 4 99 tons 17cwt. 1qr. 15lbs.  
 5 3185cwt. 0qrs. 7lbs. 14oz.  
 6 247cwt. 3qrs. 17lbs. 11oz.  
 7 3380cwt. 3qrs. 21lbs. 12oz.  
 8 91cwt. 3qrs. 22lbs. 8oz.  
 9 56cwt. 3qrs. 24lbs. 4oz.  
 10 3581cwt. 0qrs. 14lbs. 10oz.  
 M 1 377st. 7lbs. 13oz. 11drs.  
 2 104st. 11lbs. 4oz. 15drs.  
 3 5480st. 9lbs. 8oz. 12drs.  
 4 1087st. 6lbs. 4oz. 12drs.  
 5 1832st. 8lbs. 2oz. 7drs.  
 6 3092st. 11lbs. 8oz. 13drs.  
 7 5qrs. 5lbs. 13oz. 11drs.  
 8 1934qrs. 20lbs. 7oz. 12drs.

M 9 99qrs. 25lbs. 12oz. 5drs.  
 10 1455 tons 18cwt. 0qrs. 23lbs.  
 N 1 53 tons 16cwt. 0qrs. 21lbs.  
 2 1224cwt. 3qrs. 20lbs. 12oz.  
 3 391cwt. 2qrs. 19lbs. 12oz.  
 4 338lbs. 1oz. 18dwt.  
 5 360lbs. 3oz. 15dwt.  
 6 2705lbs. 8oz. 3dwt.  
 7 1014lbs. 11oz. 15dwt.  
 8 1224lbs. 10oz. 15dwt.  
 9 2993oz. 17dwt. 6grs.  
 10 1072oz. 11dwt. 6grs.  
 O 1 1099oz. 7dwt. 8grs.  
 2 25oz. 15dwt. 14grs.  
 3 83oz. 15dwt. 15grs.  
 4 1990oz. 19dwt. 8grs.  
 5 2100 lasts 9 sacks 1 wey.  
 6 270 lasts 11 sacks 0 wey.  
 7 1693 lasts 9 sacks 1 wey.  
 8 25 weys 3½ tods 0st.  
 9 320 weys 2½ tods 1st.  
 10 2973 weys 5½ tods 1st.  
 (Page 51.)  
 P 1 426oz. 7dr. 0sc. 18grs.  
 2 957oz. 3dr. 1sc. 16grs.  
 3 1495oz. 6dr. 2sc. 13grs.  
 4 1368lbs. 6oz. 6dr. 2sc.  
 5 2653lbs. 7oz. 2dr. 2sc.  
 6 2616lbs. 8oz. 4dr. 2sc.  
 7 327gals. 5pts. 12oz. 1drs.  
 8 226gals. 6pts. 9oz. 6drs.  
 9 4gals. 5pts. 10oz. 6drs.  
 10 2 tierces 25gals. 2qts.  
 Q 1 2509 tierces 25gals. 0qts.  
 2 452 tierces 38gals. 0qts.  
 3 994hhds. 49gals. 2qts.  
 4 698hhds. 42gals. 0qts.  
 5 658hhds. 47gals. 2qts.  
 6 30 pipes 0hhds. 44gals.  
 7 6 pipes 0hhds. 26gals.  
 8 167 pipes 1hhd. 40gals.  
 9 2450gals. 3qts. 0pts.  
 10 1396gals. 1qt. 1pt.  
 R 1 394gals. 2qts. 1pt.  
 2 686hhds. 39gals. 2qts.  
 3 200hhds. 44gals. 1qt.  
 4 899hhds. 36gals. 2qts.  
 5 1129 pipes 1hhd. 48gals.  
 6 323 pipes 0hhd. 27gals.

- R 7 987 pipes 1 hhd. 41 gals.  
 8 10 gals. 2 qts. 1 pt.  
 9 263 gals. 3 qts. 1 pt.  
 10 357 1/4 gals. 3 qts. 1 pt.  
 S 1 16 lasts 0 weys 2 qrs. 5 bush.  
 2 22 lasts 1 wey 4 qrs. 6 bush.  
 3 701 lasts 1 wey 3 qrs. 6 bush.  
 4 193 weys 2 qrs. 6 bush. 2 pks.  
 5 104 1/2 weys 1 qrs. 7 bush. 0 pks.  
 6 896 weys 2 qrs. 0 bush. 2 pks.  
 7 36 qrs. 6 bush. 3 pks. 0 gals.  
 8 2 qrs. 4 bush. 1 pk. 1 gal.  
 9 985 qrs. 5 bush. 1 pk. 1 gal.  
 10 1262 bush. 3 pks. 0 gal. 2 qts.  
 T 1 457 bush. 3 pks. 0 gal. 3 qts.  
 2 2946 bush. 0 pk. 0 gal. 3 qts.  
 3 588 pks. 0 gal. 3 qts. 1 pt.  
 4 602 pks. 1 gal. 0 qt. 1 pt.  
 5 96 pks. 0 gal. 2 qts. 0 pt.  
 (Page 52.)  
 6 1938 ch. 29 bush. 0 pk.  
 7 862 ch. 22 bush. 2 pks.  
 8 944 ch. 29 bush. 2 pks.

- T 9 1934 reams 16 quires 22 shts.  
 10 11 reams 16 quires 19 shts.  
 U 1 997 reams 12 quires 13 shts.  
 2 117 reams 12 quires 21 shts.  
 3 35 reams 12 quires 21 shts.  
 4 899 reams 11 quires 21 shts.  
 5 457 yrs. 10 mths. 3 wks. 5 da.  
 6 877 yrs. 12 mths. 1 wk. 5 da.  
 7 601 yrs. 9 mths. 2 wks. 6 da.  
 8 1034 mths. 2 wks. 6 da. 18 hrs.  
 9 1087 mths. 2 wks. 6 da. 14 hrs.  
 10 398 mths. 3 wks. 2 da. 16 hrs.  
 V 1 1 wk. 4 da. 14 hrs. 44 min.  
 2 337 wks. 1 da. 23 hrs. 54 min.  
 3 397 wks. 6 da. 17 hrs. 44 min.  
 4 15 da. 18 hrs. 53 min. 33 sec.  
 5 1 da. 15 hrs. 43 min. 51 sec.  
 6 49 da. 13 hrs. 55 min. 17 sec.  
 7 1089 yrs. 5 mths. 2 wks. 6 da.  
 8 990 yrs. 7 mths. 2 wks. 6 da.  
 9 883 yrs. 10 mths. 3 wks. 4 da.  
 10 756 yrs. 8 mths. 3 wks. 0 da.

# QUESTIONS. (Page 52.)

- A 1 197. 18s. 2 1/2 d.  
 2 437. 17s. 0 1/2 d.  
 3 17. 12s. 3 1/2 d.  
 4 607. 2s. 0 1/2 d.  
 5 2357. 10s. 2d.  
 6 27. 9s. 6d.  
 7 67. 8s. 9 1/2 d.  
 (Page 53.)  
 8 18s. 10 1/2 d.  
 9 457. 1s. 8d.  
 10 27. 16s. 9 1/2 d.  
 B 1 8m. 5fur. 31p. 4 1/2 yds.  
 2 33m. 6fur. 39p. 1 1/2 yds.  
 3 13yds. 3qrs. 3n.  
 4 38 Eng. ells 4qrs. 1n., or 48yds.  
 2qrs. 1n.

- B 5 14ft. 10in. 11pa.  
 6 21a. 3r. 23p.  
 7 13cu. ft. 1689in.  
 8 1cwt. 1qr. 17lbs.  
 9 1qr. 19lbs.  
 10 12lbs. 0oz. 5dwt. 16grs.  
 C 1 4lasts 8sacks 1wey  
 (Page 54.)  
 2 4lbs. 9oz. 7drs.  
 3 15gals. 0qt. 1pt.  
 4 22butts 0hhd. 42gals.  
 5 18gals. 0qt. 1pt.  
 6 198qrs. 5bus. 3pks.  
 7 3qrs. 4bus. 1pk.  
 8 13yrs. 7mths. 1wk. 6da.  
 9 4yrs. 5mths. 15da. 13hrs.  
 10 1yr. 5mths. 0wk. 3da.

## COMPOUND MULTIPLICATION. (Page 54)

## No. 10.

A 1	8353 $\frac{1}{2}$ l.	13s. 5d.	D 1	119839 $\frac{1}{2}$ l.	6s. 3d.	G 1	73383 $\frac{1}{2}$ l.	5s. 6d.
2	9254 $\frac{1}{2}$ l.	13s. 11 $\frac{1}{2}$ d.	2	326636 $\frac{1}{2}$ l.	14s. 6d.	2	5245 $\frac{1}{2}$ l.	15s. 9 $\frac{1}{2}$ d.
3	24153 $\frac{1}{2}$ l.	14s. 6d.	3	67505 $\frac{1}{2}$ l.	15s. 2 $\frac{1}{2}$ d.	3	44577 $\frac{1}{2}$ l.	5s. 6 $\frac{1}{2}$ d.
4	3733 $\frac{1}{2}$ l.	16s. 6 $\frac{1}{2}$ d.	4	6783 $\frac{1}{2}$ l.	9s. 7 $\frac{1}{2}$ d.	4	11199 $\frac{1}{2}$ l.	19s. 1 $\frac{1}{2}$ d.
5	106 $\frac{1}{2}$ l.	2s. 3d.	5	3092 $\frac{1}{2}$ l.	6s. 10 $\frac{1}{2}$ d.	5	1564 $\frac{1}{2}$ l.	7s. 4 $\frac{1}{2}$ d.
6	66 $\frac{1}{2}$ l.	0s. 6 $\frac{1}{2}$ d.	6	78230 $\frac{1}{2}$ l.	16s. 8 $\frac{1}{2}$ d.	6	3802 $\frac{1}{2}$ l.	3s. 0 $\frac{1}{2}$ d.
7	110 $\frac{1}{2}$ l.	7s. 0d.	7	105179 $\frac{1}{2}$ l.	5s. 0d.	7	1586 $\frac{1}{2}$ l.	15s. 10 $\frac{1}{2}$ d.
8	237 $\frac{1}{2}$ l.	6s. 2 $\frac{1}{2}$ d.	8	108264 $\frac{1}{2}$ l.	12s. 6 $\frac{1}{2}$ d.	8	84144 $\frac{1}{2}$ l.	17s. 0 $\frac{1}{2}$ d.
9	3848 $\frac{1}{2}$ l.	5s. 0d.	9	287675 $\frac{1}{2}$ l.	0s. 6d.	9	575556 $\frac{1}{2}$ l.	19s. 10 $\frac{1}{2}$ d.
10	81551 $\frac{1}{2}$ l.	0s. 10 $\frac{1}{2}$ d.	10	220844 $\frac{1}{2}$ l.	19s. 7d.	10	669076 $\frac{1}{2}$ l.	2s. 1 $\frac{1}{2}$ d.
B 1	9709 $\frac{1}{2}$ l.	19s. 9d.	E 1	261431 $\frac{1}{2}$ l.	10s. 0d.	H 1	133644 $\frac{1}{2}$ l.	8s. 0 $\frac{1}{2}$ d.
2	892 $\frac{1}{2}$ l.	19s. 10d.	2	81581 $\frac{1}{2}$ l.	9s. 6 $\frac{1}{2}$ d.	2	15365 $\frac{1}{2}$ l.	18s. 0d.
3	1304 $\frac{1}{2}$ l.	1s. 6 $\frac{1}{2}$ d.	3	27041 $\frac{1}{2}$ l.	5s. 0d.	3	3157 $\frac{1}{2}$ l.	4s. 0d.
4	1914 $\frac{1}{2}$ l.	17s. 7 $\frac{1}{2}$ d.	4	18238 $\frac{1}{2}$ l.	0s. 5 $\frac{1}{2}$ d.	4	15325 $\frac{1}{2}$ l.	18s. 4d.
5	110803 $\frac{1}{2}$ l.	16s. 2 $\frac{1}{2}$ d.	5	99 $\frac{1}{2}$ l.	15s. 0d.	5	55599 $\frac{1}{2}$ l.	14s. 8 $\frac{1}{2}$ d.
6	2724 $\frac{1}{2}$ l.	13s. 6d.	6	5479 $\frac{1}{2}$ l.	12s. 3d.	6	41899 $\frac{1}{2}$ l.	13s. 0d.
7	13019 $\frac{1}{2}$ l.	3s. 4 $\frac{1}{2}$ d.	7	63910 $\frac{1}{2}$ l.	3s. 6d.	7	332389 $\frac{1}{2}$ l.	13s. 8d.
8	716 $\frac{1}{2}$ l.	12s. 6d.	8	291978 $\frac{1}{2}$ l.	14s. 0d.	8	58995 $\frac{1}{2}$ l.	6s. 0d.
9	4844 $\frac{1}{2}$ l.	11d. 4 $\frac{1}{2}$ d.	9	4069 $\frac{1}{2}$ l.	9s. 3d.	9	312475 $\frac{1}{2}$ l.	6s. 2 $\frac{1}{2}$ d.
10	14450 $\frac{1}{2}$ l.	5s. 0 $\frac{1}{2}$ d.	10	1195 $\frac{1}{2}$ l.	10s. 0d.	10	791420 $\frac{1}{2}$ l.	17s. 2 $\frac{1}{2}$ d.
(Page 55.)			F 1	2161 $\frac{1}{2}$ l.	4s. 6d.	I 1	1051850 $\frac{1}{2}$ l.	4s. 5d.
C 1	826 $\frac{1}{2}$ l.	1s. 9d.	2	58114 $\frac{1}{2}$ l.	16s. 0d.	2	3636504 $\frac{1}{2}$ l.	10s. 1 $\frac{1}{2}$ d.
2	95 $\frac{1}{2}$ l.	18s. 0d.	3	8539 $\frac{1}{2}$ l.	7s. 11 $\frac{1}{2}$ d.	3	10368951 $\frac{1}{2}$ l.	8s. 9d.
3	43744 $\frac{1}{2}$ l.	11s. 8d.	4	2334 $\frac{1}{2}$ l.	11s. 11d.	4	191627 $\frac{1}{2}$ l.	0s. 0d.
4	751 $\frac{1}{2}$ l.	17s. 11d.	5	50001 $\frac{1}{2}$ l.	4s. 8d.	5	861330 $\frac{1}{2}$ l.	10s. 7 $\frac{1}{2}$ d.
5	79207 $\frac{1}{2}$ l.	17s. 5 $\frac{1}{2}$ d.	6	12022 $\frac{1}{2}$ l.	7s. 5 $\frac{1}{2}$ d.	6	95116 $\frac{1}{2}$ l.	6s. 5 $\frac{1}{2}$ d.
6	88098 $\frac{1}{2}$ l.	16s. 2 $\frac{1}{2}$ d.	7	2503 $\frac{1}{2}$ l.	7s. 3 $\frac{1}{2}$ d.	7	248270 $\frac{1}{2}$ l.	6s. 10 $\frac{1}{2}$ d.
7	23420 $\frac{1}{2}$ l.	4s. 4 $\frac{1}{2}$ d.	8	30415 $\frac{1}{2}$ l.	4s. 11 $\frac{1}{2}$ d.	8	70704 $\frac{1}{2}$ l.	2s. 6d.
8	135413 $\frac{1}{2}$ l.	1s. 2 $\frac{1}{2}$ d.	9	7198 $\frac{1}{2}$ l.	5s. 2 $\frac{1}{2}$ d.	9	44121 $\frac{1}{2}$ l.	11s. 5d.
9	4220 $\frac{1}{2}$ l.	5s. 6 $\frac{1}{2}$ d.	10	106044 $\frac{1}{2}$ l.	14s. 10 $\frac{1}{2}$ d.	10	265yds. 0ft. 3in. 1b.c.	
10	456933 $\frac{1}{2}$ l.	19s. 4 $\frac{1}{2}$ d.						

- J 1 508yds. 1ft. 4in. 0b.c.  
 2 180yds. 0ft. 11in. 2b.c.  
 3 1087yds. 1ft. 9in. 1b.c.

(Page 56.)

- 4 2356po. 3 $\frac{1}{2}$ yds. 2ft. 6in.  
 5 6739po. 0yds. 0ft. 11in.  
 6 665po.  $\frac{1}{2}$ yd. 2ft. 6in.  
 7 35677lea. 1m. 0fur. 33po.  
 8 3217lea. 1m. 2fur. 5po.  
 9 774lea. 0m. 7fur. 28po.  
 10 1252lea. 1m. 7fur. 12po.  
 K 1 14629m. 3fur. 30po. 1yd.  
 2 967m. 1fur. 15po. 1 $\frac{1}{2}$ yds.  
 3 31337m. 4fur. 30po. 4yds.  
 4 3171m. 0fur. 13po. 1yd.

- K 5 4147m. 648yds. 0ft. 6in.  
 6 39820m. 1266yds. 2ft. 5in.  
 7 9314m. 737yds. 0ft. 5in.  
 8 8544fur. 106yds. 1ft. 2in.  
 9 149832fur. 79yds. 1ft. 9in.  
 10 32850fur. 205yds. 0ft. 0in.

- L 1 31870lea. 1m. 5fur. 18po. 0yds.  
 2 10491lea. 2m. 5fur. 30po. 3yds.  
 3 22092lea. 1m. 2fur. 33po. 2yds.  
 4 5830400yds. 3qrs. n;  
 5 345855yds. 1qr. 2n.  
 6 420507yds. 3qrs. 2n.  
 7 529012Eng. ells 3qrs. 3n.  
 8 3202697Eng. ells 0qrs. 2n.  
 9 1426688Eng. ells 2qrs. 0n.  
 c

L10 8808Fr. ells 5qrs. 1n.  
 M1 527254Fr. ells 5qrs. 1n.  
 2 58302Fr. ells 5qrs. 0n.  
 3 25870Fl. ells 1qr. 2n.  
 4 40227Fl. ells 2qrs. 1n.  
 5 26729Fl. ells 0qrs. 3n.  
 6 7523985yds. 1qr. 2n.  
 7 266375yds. 1qr. 0n.  
 8 323923yds. 1qr. 2n.  
 9 383003sq. yds. 7ft. 132in.  
 10 370822sq. yds. 8ft. 118in.  
 N1 182845sq. yds. 8ft. 108in.  
 2 25377sq. yds. 6ft. 65in.  
 3 42043p. 3½yds. 1ft.  
 4 64977p. 22½yds. 0ft.  
 5 11073p. 1½yds. 5ft.  
 6 1637084p. 5yds. 4ft.  
 7 122781a. 43yds. 3ft.  
 8 437673a. 2619yds. 8ft.  
 9 439436a. 1901yds. 3ft.  
 10 3480010a. 815yds. 3ft.  
 O1 137116ro. 26p. 17yds.  
 2 2518624ro. 14p. 13½yds.  
 3 1440218ro. 2p. 29½yds.  
 4 2110235ro. 11p. 24½yds.  
 5 1884742a. 2ro. 15p.  
 6 1532712a. 0ro. 36p.  
 7 234407a. 3ro. 25p.  
 8 1322906a. 1ro. 16p.  
 (Page 57.)  
 9 87944yds. 9ft. 73in.  
 10 18809yds. 1ft. 1156in.  
 P1 160201yds. 15ft. 450in.  
 2 110283yds. 7ft. 576in.  
 3 558337yds. 16ft. 1208in.  
 4 24558yds. 15ft. 159in.  
 5 49257yds. 22ft. 583in.  
 6 388251yds. 12ft. 541in.  
 7 440894yds. 24ft. 0in.  
 8 245795yds. 10ft. 288in.  
 9 56021yds. 19ft. 1308in.  
 10 505099yds. 12ft. 144in.  
 Q1 573164yds. 0ft. 665in.  
 2 115720yds. 8ft. 432in.  
 3 78283yds. 3ft. 296in.  
 4 121260yds. 22ft. 392in.  
 5 448698yds. 18ft. 0in.  
 6 6739yds. 2ft. 468in.  
 7 15911yds. 1½ft. 1664in.

Q8 21938yds. 1ft. 324in.  
 9 9164tons 3cwt. 3qrs. 8lbs.  
 10 26162tons 1cwt. 2qrs. 20lbs.  
 R1 106681tons 16cwt. 3qrs. 16lbs.  
 2 51956tons 16cwt. 0qrs. 21lbs.  
 3 56444tons 3cwt. 2qrs. 16lbs.  
 4 24056tons 13cwt. 2qrs. 25lbs.  
 5 19116tons 1cwt. 2qrs. 0lbs.  
 6 64173cwt. 3qrs. 6lbs. 0oz.  
 7 37612cwt. 2qrs. 10lbs. 10oz.  
 8 198232cwt. 2qrs. 12lbs. 13oz.  
 9 59790cwt. 1qr. 6lbs. 11oz.  
 10 25808cwt. 2qrs. 2lbs. 14oz.  
 S1 136102cwt. 3qrs. 14lbs. 9oz.  
 2 169324cwt. 1qr. 26lbs. 8oz.  
 3 158010cwt. 2qrs. 17lbs. 5oz.  
 4 316236cwt. 2qrs. 16lbs. 5oz.  
 5 53050st. 2lbs. 13oz. 10drs.  
 6 16330st. 12lbs. 4oz. 15drs.  
 7 56527st. 1lb. 11oz. 0drs.  
 8 3080st. 2lbs. 7oz. 14drs.  
 9 8423st. 4lbs. 11oz. 11drs.  
 10 68664cwt. 1qr. 18lbs. 0oz. 12drs.  
 T1 3256cwt. 1qr. 12lbs. 11oz. 0drs.  
 2 6717cwt. 0qrs. 16lbs. 14oz. 12drs.  
 3 7077cwt. 2qrs. 1lb. 14oz. 9drs.  
 4 25450cwt. 2qrs. 10lbs. 5oz. 12drs.  
 5 5243lbs. 11oz. 10dwts. 8grs.  
 6 3303lbs. 4oz. 10dwts. 0grs.  
 7 2959lbs. 2oz. 12dwts. 10grs.  
 8 3866lbs. 8oz. 5dwts. 17grs.  
 9 14503lbs. 5oz. 1dwt. 8grs.  
 10 6825lbs. 6oz. 9dwts. 15grs.  
 U1 4135lbs. 11oz. 18dwts. 4grs.  
 2 2027lbs. 8oz. 3dwts. 1gr.  
 3 14749lbs. 9oz. 11dwts. 1gr.  
 4 158567lbs. 9oz. 3dwts. 18grs.  
 5 57915lbs. 3oz. 10dwts. 12grs.  
 (Page 58.)  
 6 51855 lasts 0 sacks 0 wey.  
 7 55981 lasts 3 sacks 0 wey.  
 8 9787 lasts 6 sacks 0 wey.  
 9 7793 sacks 11 tods 0st. 6lbs.  
 10 88708 sacks 7 tods 1st. 8lbs.  
 V1 21308 sacks 8 tods 1st. 9lbs.  
 2 48194oz. 3drs. 2sc. 8grs.  
 3 16278oz. 3drs. 2sc. 14grs.  
 4 26331lbs. 10oz. 5drs. 1sc.  
 5 30720lbs. 9oz. 0drs. 0sc.

- V 6 17879lbs. 8oz. 5drs. 1sc.  
 7 160158lbs. 6oz. 5drs. 1sc.  
 8 65394gals. 3pts. 14oz. 0drs.  
 9 40351gals. 4pts. 0oz. 0drs.  
 10 55823pts. 5oz. 6drs. 4min.  
 W1 37470 pipes 0hhds. 6gals. 3qts.  
 2 29118 pipes 0hhds 27gals. 8qts.  
 3 7221 pipes 1hhd. 58gals. 2qts.  
 4 7288 pipes 0hhds. 48gals. 0qts.  
 5 44620hhds. 18gals. 3qts. 0pts.  
 6 30825hhds. 10gals. 2qts. 0pts.  
 7 6934hhds. 21gals. 0qts. 0pts.  
 8 362169 tierces 14gals. 2qts. 1pt.  
 9 176494 tierces 10gals. 0qts. 1pt.  
 10 44879 tierces 15gals. 0qts. 0pts.  
 X 1 71468bar. 31gals. 3qts. 1pt.  
 2 10329bar. 23gals. 0qts. 1pt.  
 3 25331bar. 30gals. 1qt. 1pt.  
 4 33135bar. 30gals. 2qts. 0pts.  
 5 34152hhds. 43gals. 3qts. 0pts.  
 6 7420hhds. 34gals. 3qts. 1pt.  
 7 5615hhds. 6gals. 1qt. 0pts.  
 8 28694 pipes 1hhd. 3gals. 0qts.  
 9 8572 pipes 1hhd. 48gals. 8qts.  
 10 29834 pipes 0hhds. 29gals. 1qt.  
 Y 1 1614 last 1w. 1qr. 3bus.  
 2 23574 lasts 1w. 0qrs. 2bus.  
 3 7458 lasts 1w. 0qrs. 4bus.  
 4 4121 lasts 1w. 4qrs. 0bus.  
 5 10920w. 2qrs. 5bus. 0pks.  
 6 4268w. 3qrs. 7bus. 0pks.  
 7 4324w. 0qrs. 2bus. 3pks.  
 8 46621w. 2qrs. 3bus. 1pk.

- Y 9 17518qrs. 2bus. 1pk. 0gals.  
 10 31222qrs. 2bus. 0pks. 1gal.  
 Z 1 33632qrs. 1bus. 1pk. 0gals.  
 2 29550qrs. 3bus. 3pks. 1gal.  
 3 844bus. 3pks. 1gal. 0qts.  
 4 1484bus. 1pk. 1gal. 0qts.  
 5 28830bus. 0pks. 0gals. 2qts.  
 (Page 59.)  
 6 43802chal. 21bus. 2pks.  
 7 35612chal. 24bus. 0pks.  
 8 13166chal. 18bus. 0pks.  
 9 91013chal. 17bus. 2pks.  
 10 215080 reams 18qui. 8shts.  
 A 2 1 137219 reams 10qui. 6shts.  
 2 402258 reams 0qui. 18shts.  
 3 13495 reams 17qui. 0shts.  
 4 13326yrs. 0mths. 0wks. 6da.  
 5 10541yrs. 8mths. 3wks. 5da.  
 6 53945yrs. 8mths. 0wks. 6da.  
 7 19049yrs. 9mths. 3wks. 1da.  
 8 32689mths. 1wk. 0da. 0hrs.  
 9 10177mths. 2wks. 1da. 3hrs.  
 10 11857mths. 3wks. 5da. 15hrs.  
 B 2 1 21259mths. 2wks. 2da. 18hrs.  
 2 21613wks. 0da. 18hrs. 2m.  
 3 32034wks. 0da. 17hrs. 42m.  
 4 19344wks. 5da. 20hrs. 51m.  
 5 9910wks. 3da. 17hrs. 42m.  
 6 21713da. 11hrs. 31m. 28sec.  
 7 8230da. 10hrs. 2m. 10sec.  
 8 6129da. 0hrs. 21m. 34sec.  
 9 80596da. 13hrs. 51m. 40sec.  
 10 31749da. 22hrs. 28m. 10sec.

## QUESTIONS. (Page 59.)

- A 1 19l. 2s. 1d.  
 2 8l. 12s. 8d.  
 3 6l. 4s. 7d.  
 4 58l. 16s. 0d.  
 5 38l. 9s. 6d.  
 6 2l. 1s. 8½d.  
 7 2l. 1s. 0½d.  
 8 306l. 5s. 10d.  
 9 121l. 0s. 0d.  
 10 86l. 4s. 0d.  
 B 1 361l. 15s. 8d.  
 2 10l. 1s. 8d.  
 3 98l. 3s. 0d.  
 4 2l. 1s. 4d.  
 5 49l. 4s. 4½d.

(Page 60.)

- B 6 174l. 16s. 6d.  
 7 433l. 4s. 4d.  
 8 411l. 16s. 0d.  
 9 165l. 0s. 6d.  
 10 53l. 13s. 0d.  
 C 1 580l. 0s. 3½d.  
 2 2344l. 6s. 0d.  
 3 469l. 18s. 2½d.  
 4 303l. 4s. 8d.  
 5 12l. 6s. 11½d.  
 6 1492l. 18s. 3d.  
 7 3680l. 12s. 6d.  
 8 189l. 3s. 9d.  
 9 37l. 5s. 10½d.



C10 3636l. 3s. 9d.  
 D1 152p. 3½yds. 1ft. 6in.  
 2 1337m. Ofur. 22p. 4yds.  
 3 241m. 7fur.  
 4 800yds. 2qrs. 2n.  
 5 2412 yards  
 6 984sq. yds. 2ft. 100in.  
 7 815a. 3r. 22p. 17yds.  
 8 4746cu. ft. 1290in.

(Page 61.)

9 1097cu. yds. 7ft. 578in.  
 10 154818048000 herrings.  
 E1 38tons 15cwt. 3qrs. 10lbs.  
 2 882cwt. 1qr. 14lbs.  
 3 55cwt. 0qrs. 2lbs.  
 4 351cwt. 3qrs. 10lbs.  
 5 16lbs. 0oz. 3dwts. 18grs.  
 6 1480lbs. 2oz. 9dwts. 20grs.  
 7 54lbs. 9oz. 5dwts. 15grs.  
 8 130 packs 5st. 0lbs.  
 9 11b. 4oz. 1dr.  
 10 62lbs. 5oz. 5drs. 2sc. 6grs.

F1 104lbs. 11oz. 6drs. 1sc. 8grs.  
 2 93hhds. 35gals. 2pts.  
 3 7848hhds. 33gals. 5pts.  
 4 13gals. 0qts. 1pt.  
 5 29bar. 5gals. 1qt. 1pt.  
 6 67tuns 1hhd. 32gals.  
 7 8326qrs. 4bus 2pks.  
 8 285loads 2qrs. 7bus. 3pks.  
 9 561qrs. 3bus. 3pks.

(Page 62.)

10 27qrs. 2bus. 2pks.  
 G1 786 reams 2qui. 12shts.  
 2 2dys. 7hrs. 13m. 55sec.  
 3 12yrs. 11mths. 4da.  
 4 4da. 0hrs. 47m. 5sec.  
 5 62da. 2hrs. 35m.  
 6 26da. 3hrs. 40m.  
 7 37yrs. 10mths. 29da. 22hrs.  
 8 5yrs. 6mths. 1wk. 5½da.  
 9 76yrs. 12mths. 3wks. 3da. 15hrs.  
 2m. 20sec.  
 10 83wks. 6da. 10hrs.

## COMPOUND DIVISION. (Page 62.)

### No. 11.

A1 3764l. 16s. 10½d.  
 2 410l. 18s. 2½d.  
 3 191l. 2s. 0½d..... 2rem.  
 4 181l. 18s. 8½d..... 3 ..  
 5 168l. 3s. 3½d. .... 1 ..  
 6 0l. 19s. 11½d.  
 7 3l. 11s. 8½d.  
 8 18l. 2s. 9½d..... 2 ..  
 9 74l. 5s. 10½d.  
 10 41l. 19s. 10½d.  
 B1 7l. 19s. 6½d.  
 2 410l. 18s. 2½d.  
 3 19l. 16s. 8½d..... 4 ..  
 4 14l. 10s. 9½d.  
 5 63l. 11s. 11d.  
 6 169l. 3s. 9d..... 38 ..  
 (Page 63.)  
 7 75l. 4s. 11½d..... 47 ..  
 8 36l. 19s. 1½d..... 16 ..  
 9 11l. 2s. 8d..... 31 ..  
 10 13l. 19s. 0d..... 33 ..  
 C1 0l. 6s. 10½d. .... 142 ..  
 2 4l. 5s. 6d..... 8 ..

C3 6l. 11s. 7½d..... 12 rem.  
 4 11l. 18s. 0½d..... 62 ..  
 5 12l. 0s. 1½d..... 61 ..  
 6 0l. 8s. 11½d..... 50 ..  
 7 2l. 13s. 9½d..... 17 ..  
 8 0l. 14s. 0½d..... 42 ..  
 9 41l. 10s. 2½d..... 37 ..  
 10 64l. 16s. 4d. .... 68 ..  
 D1 54l. 19s. 4½d..... 48 ..  
 2 59l. 0s. 9d..... 75 ..  
 3 60l. 19s. 1½d. .... 78 ..  
 4 63l. 0s. 4½d..... 120 ..  
 5 821l. 5s. 9½d.....: 2 ..  
 6 27l. 8s. 11½d..... 22 ..  
 7 2l. 11s. 2½d..... 16 ..  
 8 15l. 10s. 0½d..... 2 ..  
 9 75l. 18s. 10½d. .... 7 ..  
 10 50l. 15s. 11d..... 2 ..  
 E1 8l. 16s. 6d..... 3 ..  
 2 8l. 6s. 8½d..... 6 ..  
 3 17l. 4s. 7½d..... 9 ..  
 4 2l. 6s. 2d...f..... 18 ..  
 5 48l. 15s. 9½d..... 2 ..

E6 46l. 17s. 8½d. .... 29 rem.  
 7 27l. 3s. 3½d. .... 16 ..  
 8 821l. 16s. 8d. .... 10 ..  
 9 107l. 14s. 1½d. .... 13 ..  
 10 1577l. 5s. 0½d. .... 18 ..  
 F1 172l. 13s. 5d. .... 22 ..  
 2 8914l. 10s. 6½d. .... 45 ..  
 3 3790l. 1s. 1½d. .... 17 ..  
 4 14777l. 2s. 10½d. .... 4 ..  
 5 321l. 8s. 11d. .... 48 ..  
 6 793l. 2s. 9½d. .... 48 ..  
 7 9677l. 0s. 8d. .... 80 ..  
 8 8850l. 3s. 3½d. .... 110 ..  
 9 55349l. 5s. 9d.  
 10 1323l. 3s. 10½d. .... 114 ..  
 G1 4228l. 19s. 7d. .... 153 ..  
 2 24045l. 15s. 0½d. .... 59 ..  
 3 22079l. 15s. 5½d. .... 135 ..  
 4 17536l. 2s. 6½d. .... 138 ..  
 5 166309l. 11s. 7½d. .... 184 ..  
 6 294l. 14s. 2d. .... 185 ..  
 7 13l. 13s. 0½d. .... 78 ..  
 8 596l. 0s. 3½d. .... 157 ..  
 9 290l. 10s. 4½d. .... 21 ..  
 10 32l. 0s. 3½d. .... 149 ..  
 H1 42l. 11s. 3½d.  
 2 23l. 1s. 7d. .... 302 ..  
 3 146l. 12s. 10½d. .... 376 ..  
 4 0l. 5s. 4d. .... 170 ..  
 5 438l. 17s. 2½d. .... 84 ..  
 6 109l. 16s. 2d. .... 88 ..  
 7 52l. 1s. 3½d. .... 137 ..  
 8 12l. 5s. 4½d. .... 325 ..  
 9 0l. 11s. 6d. .... 311 ..  
 10 29l. 0s. 10½d. .... 338 ..  
 I 1 43l. 18s. 2d. .... 569 ..  
 2 74l. 14s. 10½d. .... 598 ..  
 3 0l. 4s. 6½d. .... 732 ..  
 4 53l. 2s. 2½d. .... 297 ..  
 5 10l. 14s. 5d. .... 3058 ..  
 6 2671l. 13s. 5½d. .... 3110 ..  
 7 1137l. 16s. 9d. .... 2610 ..  
 8 0l. 11s. 9½d. .... 5223 ..  
 9 4l. 7s. 2½d. .... 1909 ..  
 10 5l. 10s. 4½d. .... 3270 ..  
 J 1 7l. 10s. 0½d. .... 4141 ..  
 2 0l. 1s. 10½d. .... 2815 ..  
 3 41l. 1s. 5½d. .... 5807 ..  
 4 1256l. 7s. 9½d. .... 315 ..

J 5 57l. 4s. 1½d. .... 3837 rem.  
 6 121l. 15s. 8½d. .... 964 ..  
 (Page 64.)  
 7 684yds. 1ft. 11in. 1b.c. .... 1 ..  
 8 99yds. 0ft. 2in. 0b.c. .... 17 ..  
 9 1ft. 10in. 0b.c. .... 1185 ..  
 10 22yds. 2ft. 1in. 0b.c. .... 178 ..  
 K1 87po. 2yds. 0ft. 6in. .... 14 ..  
 2 619po. 2yds. 1ft. 3in. .... 10 ..  
 3 55po. 4yds. 1ft. 2in.  
 4 28po. 4yds. 2ft. 6in. .... 143 ..  
 5 145lea. 0m. 0fur. 1lp.  
 6 534lea. 2m. 4fur. 19p.  
 7 15lea. 0m. 4fur. 20p. .... 77 ..  
 8 15lea. 1m. 6fur. 30p. 3yds. 157 ..  
 9 14m. 2fur. 22p. 2yds. .... 30 ..  
 10 55m. 0fur. 6p. 2yds. .... 9 ..  
 L1 35m. 2fur. 6po. 2yds. .... 162½ ..  
 2 4fur. 15p. 2yds. .... 1909 ..  
 3 377yds. 0ft. 7in. .... 1553 ..  
 4 130m. 466yds. 2ft. 7in. .... 54 ..  
 5 23m. 73yds. 0ft. 1in. .... 89 ..  
 6 44m. 281yds. 1ft. 5in. .... 63 ..  
 7 8m. 1463yds. 2ft. 9in. .... 397 ..  
 8 66fur. 20yds. 0ft. 1in. .... 51 ..  
 9 78fur. 151yds. 2ft. 2in. .... 1 ..  
 10 5fur. 193yds. 1ft. 9in. .... 246 ..  
 M1 27yds. 2ft. 0in. .... 275 ..  
 2 795yds. 0qrs. 2n. .... 1 ..  
 3 133yds. 2qr. 1n. .... 25 ..  
 4 3yds. 3qrs. 1n. .... 119 ..  
 5 1yd. 3qrs. 1n. .... 279 ..  
 6 73 Eng. ells. 3qrs. 1n. .... 63 ..  
 7 1 Eng. ell 3qrs. 0n. .... 173 ..  
 8 14 Eng. ells 2qrs. 2n. .... 258 ..  
 9 1 Eng. ell 0qrs. 2n. .... 465 ..  
 10 44 Fr. ells 3qrs. 3n. .... 23 ..  
 N1 5 Fr. ells 2qrs. 0n. .... 10 ..  
 2 6 Fr. ells 2qrs. 0n. .... 6 ..  
 3 1 Fr. ells. 3qrs. 3n. .... 198 ..  
 4 93 Fl. ells 0qrs. 3n. .... 42 ..  
 5 1007 Fl. ells 1qr. 3n. .... 7 ..  
 6 4 Fl. ells 0qrs. 1n. .... 65 ..  
 7 236yds. 4ft. 84in.  
 8 3yds. 6ft. 37in. .... 140 ..  
 9 4yds. 3ft. 73in. .... 176 ..  
 10 15yds. 6ft. 43in. .... 32 ..  
 O1 231a. 3823yds. 7ft. 34in.  
 2 8a, 1407yds. 6ft. 37in. .... 188 ..

O 3	2a. 2464yds. 0ft. 47in....	340 rem.	T 1	4cwt. 1qr. 11lbs. 6oz....	21 rem.
4	3a. 640yds. 1ft. 57in.....	105 ..	2	3cwt. 3qrs. 6lbs. 14oz....	304 ..
5	1a. 3514yds. 0ft. 28in.....	52 ..	3	10st. 6lbs. 10oz. 7drs.....	176 ..
6	1a. 878yds. 1ft. 62in.....	72 ..	4	4st. 0lbs. 2oz. 4drs.....	45 ..
7	74ro. 31p. 23yds. 6ft. 49in...	3 ..	5	6st. 11lbs. 7oz. 16drs.....	209 ..
8	28ro. 15p. 22yds. 6ft. 125in.	32 ..	6	1st. 11b. 4oz. 4drs.....	673 ..
9	21p. 21yds. 4ft.		7	25lbs. 1oz. 9dwts. 5grs....	59 ..
10	2r. 32p. 17yds. 8ft.		8	336lbs. 0oz. 1dwt. 5grs....	8 ..
P 1	26p. 16yds. 6ft. 9in.....	315 ..	9	11b. 11oz. 14dwts. 6grs....	362 ..
2	76a. 3r. 2p. 20yds.....	11 ..	10	13lbs. 8oz. 19dwts: 8grs...	262 ..
3	32a. Or. 17p. 3yds.		U 1	7lbs. 1oz. 17dwts. 1gr...	211 ..
4	3a. Or. 2p. 1yd.....	103 ..	2	7lbs. 2oz. 13dwts. 7grs....	48 ..
5	0a. 1r. 8p. 17yds.....	283 ..	3	69lbs. 5oz. 11dwts. 23grs...	8 ..
6	4a. 3r. 0p. 14yds.....	335 ..	4	11b. 9oz. 15dwts. 2grs...	337 ..
	(Page 65.)		5	5lbs. 3oz. 15dwts. 16grs...	398 ..
7	49yds. 12ft. 1661in.....	65 ..	6	8lbs. 8oz. 12dwts. 9grs...	648 ..
8	42yds. 25ft. 1434in.....	84 ..	7	63 lasts 8 sacks 0 weys....	7 ..
9	46yds. 18ft. 52in.		8	1 last 10 sacks 1 wey.....	92 ..
10	3yds. 17ft. 979in....	151 ..	9	20 lasts 2 sacks 0 weys....	275 ..
Q 1	0yds. 15ft. 114in.....	38 ..	10	77 sacks 4 tods 0 weys 13lbs.	50 ..
2	1yd. 2ft. 708in.....	36 ..	V 1	1 sack 2 tods 1 wey 6lbs...	32 ..
3	0yds. 13ft. 163in.....	658 ..	2	10 sacks 4 tods 1st. 7lbs...	303 ..
4	0yds. 25ft. 1472in.....	651 ..		(Page 66.)	
5	67yds. 19ft. 833in.....	35 ..	3	1086lbs. 4oz. 7drs. 1sc....	4 ..
6	2yds. 10ft. 397in.....	56 ..	4	2lbs. 8oz. 2drs. 1sc.....	60 ..
7	17ft. 120lin.....	201 ..	5	9lbs. 4oz. 5drs. 2sc.....	286 ..
8	9yds. 5ft. 67in.....	195 ..	6	21oz. 5drs. 1sc. 9grs.....	78 ..
9	11yds. 2ft. 1282in.....	484 ..	7	140oz. 2drs. 1sc. 18grs.	
10	1yd. 12ft. 487in.....	538 ..	8	8oz. 5drs. 0sc. 7grs.....	314 ..
R 1	0yds. 21ft. 1644in.....	764 ..	9	4gals. 7pts. 8oz. 4drs.....	19 ..
2	9yds. 25ft. 166in.....	57 ..	10	8gals. 2pts. 0oz. 3drs.....	197 ..
3	22yds. 8ft. 220in.....	147 ..	W 1	115pts. 3oz. 5drs. 14min.	
4	11yds. 16ft. 916in.....	608 ..	2	3pts. 14oz. 5drs. 22min	188 ..
5	1yd. 1ft. 1495in.....	599 ..	3	53 pipes 1hhd. 40gals. 0qts...	6 ..
6	3yds. 23ft. 162lin. ....	427 ..	4	2 pipes 0hhds. 29gals. 3qts.	156 ..
7	24tons 14cwt. 1qr. 8lbs....	27 ..	5	5 pipes 1hhd. 17gals. 1qt.	667 ..
8	47tons 11cwt. 2qrs. 12lbs...	40 ..	6	82hhds. 23gals. 2qts. 1pt. .	4 ..
9	3tons 13cwt. 0qrs. 12lbs...	83 ..	7	9hhds. 47gals. 1qt. 1pt. .	448 ..
10	1ton 18cwt. 2qrs. 20lbs...	273 ..	8	10hhds. 31gals. 2qts. 0pts.	74 ..
S 1	0tons 8cwt. 1qr. 2lbs.....	60 ..	9	12 tier. 7gals. 3qts. 0pts...	55 ..
2	2tons 12cwt. 0qrs. 7lbs...	179 ..	10	5tier. 41gals. 3qts. 0pts...	333 ..
3	0tons 11cwt. 0qrs. 11b....	49 ..	X 1	30gals. 3qts. 0pts.....	127 ..
4	0tons 9cwt. 1qr. 16lbs...	412 ..	2	13tier. 34gals. 2qts. 1pt. .	12 ..
5	12cwt. 0qrs. 12lbs. 2oz....	26 ..	3	21bar. 8gals. 3qts. 0pts. .	13 ..
6	189cwt. 1qr. 27lbs. 7oz.		4	7bar. 27gals. 1qt. 1pt.	
7	1cwt. 1qr. 5lbs. 7oz....	125 ..	5	1bar. 30gals. 2qt. 0pts. .	101 ..
8	14cwt. 3qrs. 25lbs. 6oz...	189 ..	6	64hhds. 38gals. 2qts. 0pts...	9 ..
9	4cwt. 3qrs. 16lbs. 16oz...	106 ..	7	12hhds. 6gals. 0qts. 1pt.	
10	61cwt. 2qrs. 7lbs. 3oz.....	5 ..	8	3hhds. 46gals. 1qt. 1pt....	76 ..

X 9	8hhds. 23gals. 3qts. Opts...347 rem.	A 21	7ch. 17bus. Opk.....21 rem.
10	64pipes 0hhds. 50gals. 1qt. 31 ..		(Page 67.)
Y 1	4pipes 1hhd. 13gals. 3qts...92 ..	2	106reams 10 quires 19shts. 48 ..
2	9pipes 0hhd. 18gals. 3qts. 493 ..	3	1ream 11quires 22shts. ...144 ..
3	56lasts 1w. 1qr. 6bus..... 5 ..	4	139reams 13quires 4shts...56 ..
4	11lasts 0w. 2qrs. 6bus. ... 109 ..	5	153yrs. 9mths. 2wks. 1da... 3 ..
5	2lasts 1w. 2qrs. 5bus..... 215 ..	6	8yrs. 6mths. 1wk. 2da....23 ..
6	1w. 0qrs. 6bus. .... 44 ..	7	11yrs. 3mths. 1wk. 1da... 89 ..
7	84lasts 1w. 0qrs. 2bush....21 ..	8	10mths. 3wks. 1da..... 84 ..
8	3qrs. 7bus. Opks. 1gal....144 ..	9	342mths. 0wk. 6da. 3hrs. ...4 ..
9	16qrs. 5bus. 1pk. 1gal..... 44 ..	10	7mths. 3wks. 2da. 16hrs... 6 ..
10	4qrs. 3bus. 1pk. 0gal.....12 ..	B 21	3mths. 0wk. 1da. 20hrs...316 ..
Z 1	7qrs. 3bus. 2pk. 1gal..... 448 ..	2	1mth. 1wk. 6da. 18hrs... 107 ..
2	60qrs. 1bus. 3pks. 1gal.... 9 ..	3	56wks. 6da. 13hrs. 12min. 36 ..
3	143bus. 2pks. 0gal. 2qts... 13 ..	4	373wks. 2da. 12hrs. 41min. 6 ..
4	2bus. Opk. 1gal. 3qts..... 141 ..	5	1da. 22hrs. 3min..... 243 ..
5	5bus. 2pks. 1gal. 0qts.....46 ..	6	1wk. 4da. 9hrs. 52min... 172 ..
6	12bus. 3pks. 0gal. 2qts... 251 ..	7	252da. 6hrs. 42min. 23sec...1 ..
7	15bus. 1pk. 0gal. 2qts.....134 ..	8	14hrs. 40min. 39sec..... 100 ..
8	232ch. 80bus. 3pks.....28 ..	9	11da. 17hrs. 18min. 50sec. 69 ..
9	1ch. 29bus. Opk.....273 ..	10	7da. 11hrs. 30min, 3sec...644 ..
10	1ch. 28bus. 1pk..... 98 ..		

## QUESTIONS. (Page 67.)

A 1	0l. 1s. 9d.	C 6	11l. 6s. 5d.
2	1l. 11s. 2d.	7	81l. 5s. 6d.
3	13l. 19s. 5½d.	8	1l. 7s. 2d.
4	1l. 12s. 11½d.	9	0l. 11s. 7d.....30rem.
5	0l. 1s. 4½d.	10	0l. 7s. 6d.
6	11l. 11s. 1½d.	D 1	2m. 7fur. 38p.
7	0l. 0s. 7½d.	2	3m. 3fur. 13p. 4yds.
8	0l. 3s. 10½d.	3	16m. 5fur. 12p.
9	2l. 6s. 9½d.	4	94m. 0fur. 35p.
10	1l. 3s. 4½d.	5	33yds. 3qrs. 2n.
B 1	13l. 0s. 6d.	6	3yds. 2qrs. 2n.
2	5l. 16s. 2d.	7	7yds. 1qr.
3	18l. 13s. 6½d.....7 rem.	8	6a. 3r. 30p.
4	0l. 0s. 8½d.	9	6 sq. yds. 8ft. 85in.
5	10l. 14s. 0d.		(Page 69.)
	(Page 68.)	10	3 roods 0 perch 28yds....35rem.
6	0l. 16s. 2½d.	E 1	38cu. yds. 14ft. 1184in.
7	18l. 2s. 10d.	2	3cu. yds. 9ft. 86in.
8	12l. 1s. 11½d.	3	5cwt. 1qr. 22lbs.
9	0l. 0s. 3½d.	4	1qr. 17lbs., or 45lbs.
10	0l. 0s. 8½d.	5	3cwt. 1qr. 2lbs.
C 1	14l. 3s. 8½d.	6	3cwt. 3qrs. 17lbs. 8oz.
2	17l. 10s. 6½d.	7	2lbs. 8oz.
3	1l. 3s. 7d.	8	5dwts. 8grs.
4	1l. 12s. 6d.	9	2lbs. 8oz. 4dwts. 3grs.
5	455l. 11s. 6d.	10	2lbs. 4oz. 12dwts.

F 1	6oz. 13dwts. 15grs.	G 1	2gals. 1qt..... 1 rem.
2	1lb. 1oz. 18dwts. 16grs.	2	1wey 1qr. 6bus.
3	12packs 5st. 15lbs.	3	2qrs. 5bush.
4	1last 1sa. 1wey 1st. 5lbs... 146 rem.	4	17qrs. 7bush. 2pks.
5	3drs. 1sc. 5grs.	5	5bush. 2pks.
6	6oz. 1dr. 0sc. 8grs.	6	1qr. 1bush. 2pks.
7	49gals. 3qts.	7	30da. 10hrs. 29min. 4sec.
8	10gals. 2qts. 1pt. each, and 1 pint per day.	8	1hr. 12min.
9	1hhd. 33gals.	9	3min. 27sec.
	(Page 70.)	10	1hr. 57min. 48sec.
10	3hhd. 42gals. each merchant, 1hhd. 52gals. 2qts. each retailer.		

## GREATEST COMMON MEASURE. (Page 70.)

### No. 12.

B 1	57	C 3	9	D 6	4	E 9	2304
2	448		4 1221	7	36	10	33
3	64		5 144	8	175	F 1	9
4	10		6 35	9	858	2	48
5	3		7 234	10	132	3	22
6	105		8 9	E 1	4	4	68
7	36		9 7350	2	42	5	35
8	104		10 12	3	11	6	9
9	404	D 1	931	4	385	7	816
10	54	2	324	5	999	8	117
	(Page 71.)	3	231	6	195	9	264
C 1	70	4	21300	7	8	10	315
2	4524	5	45	8	25		

## LEAST COMMON MULTIPLE. (Page 71.)

### No. 13.

A 1	24	B 4	144	C 7	240	D 9	47880
2	504	5	1400	8	8316	10	4032
3	1050	6	12012	9	5040	E 1	540
4	2520	7	6300	10	1680	2	17160
5	420	8	1008		(Page 72.)	3	504
6	120	9	16830	D 1	360	4	9360
7	300	10	408408	2	600	5	9828
8	350	C 1	48	3	672	6	1008
9	1680	2	2100	4	3360	7	42840
10	13860	3	2520	5	432	8	3360
B 1	672	4	2520	6	223440	9	6048
2	5148	5	360	7	2227680	10	33264
3	336	6	4320	8	1848		

## VULGAR FRACTIONS. (Page 72.)

## No. 14.

## CASE I.

A 1 $\frac{1}{2}$	B 1 $\frac{1}{2}$	C 1 $\frac{1}{2}$	D 1 $\frac{1}{2}$	E 1 $\frac{1}{2}$
2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$
3 $\frac{1}{6}$	3 $\frac{1}{6}$	3 $\frac{1}{6}$	3 $\frac{1}{6}$	3 $\frac{1}{6}$
4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$
5 $\frac{1}{10}$	5 $\frac{1}{10}$	5 $\frac{1}{10}$	5 $\frac{1}{10}$	5 $\frac{1}{10}$
6 $\frac{1}{12}$	6 $\frac{1}{12}$	6 $\frac{1}{12}$	6 $\frac{1}{12}$	6 $\frac{1}{12}$
7 $\frac{1}{14}$	7 $\frac{1}{14}$	7 $\frac{1}{14}$	7 $\frac{1}{14}$	7 $\frac{1}{14}$
8 $\frac{1}{16}$	8 $\frac{1}{16}$	8 $\frac{1}{16}$	8 $\frac{1}{16}$	8 $\frac{1}{16}$
9 $\frac{1}{18}$	9 $\frac{1}{18}$	9 $\frac{1}{18}$	9 $\frac{1}{18}$	9 $\frac{1}{18}$
10 $\frac{1}{20}$	10 $\frac{1}{20}$	10 $\frac{1}{20}$	10 $\frac{1}{20}$	10 $\frac{1}{20}$

## CASE II.

A 1 $6\frac{1}{2}$	B 1 $15\frac{1}{2}$	C 1 $6\frac{1}{2}$	D 1 $1288\frac{1}{2}$	E 1 $13\frac{1}{2}$
2 $3\frac{1}{4}$	2 $9\frac{1}{4}$	2 $14\frac{1}{4}$	2 $130\frac{1}{4}$	2 $690\frac{1}{4}$
3 $7\frac{1}{2}$	3 $11$	3 $12\frac{1}{2}$	3 $14\frac{1}{2}$	3 $594\frac{1}{2}$
4 $5\frac{1}{4}$	4 $12\frac{1}{4}$	4 $8\frac{1}{4}$	4 $21\frac{1}{4}$	4 $1381\frac{1}{4}$
5 $2\frac{1}{2}$	5 $7\frac{1}{2}$	5 $14\frac{1}{2}$	5 $7\frac{1}{2}$	5 $92\frac{1}{2}$
6 $6\frac{1}{2}$	6 $14\frac{1}{2}$	6 $1\frac{1}{2}$	6 $220\frac{1}{2}$	6 $232\frac{1}{2}$
7 $8\frac{1}{2}$	7 $28\frac{1}{2}$	7 $22\frac{1}{2}$	7 $191\frac{1}{2}$	7 $811\frac{1}{2}$
8 $7$	8 $12\frac{1}{2}$	8 $12\frac{1}{2}$	8 $7\frac{1}{2}$	8 $174\frac{1}{2}$
9 $6\frac{1}{2}$	9 $25\frac{1}{2}$	9 $85\frac{1}{2}$	9 $13\frac{1}{2}$	9 $1400$
10 $6\frac{1}{2}$	10 $24$	10 $183\frac{1}{2}$	10 $6\frac{1}{2}$	10 $1327\frac{1}{2}$

## CASE III. (Page 73.)

A 1 $\frac{1}{2}$	B 1 $\frac{1}{2}$	C 1 $\frac{1}{2}$	D 1 $\frac{1}{2}$
2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$
3 $\frac{1}{6}$	3 $\frac{1}{6}$	3 $\frac{1}{6}$	3 $\frac{1}{6}$
4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$
5 $\frac{1}{10}$	5 $\frac{1}{10}$	5 $\frac{1}{10}$	5 $\frac{1}{10}$
6 $\frac{1}{12}$	6 $\frac{1}{12}$	6 $\frac{1}{12}$	6 $\frac{1}{12}$
7 $\frac{1}{14}$	7 $\frac{1}{14}$	7 $\frac{1}{14}$	7 $\frac{1}{14}$
8 $\frac{1}{16}$	8 $\frac{1}{16}$	8 $\frac{1}{16}$	8 $\frac{1}{16}$
9 $\frac{1}{18}$	9 $\frac{1}{18}$	9 $\frac{1}{18}$	9 $\frac{1}{18}$
10 $\frac{1}{20}$	10 $\frac{1}{20}$	10 $\frac{1}{20}$	10 $\frac{1}{20}$

## CASE IV.

A 1 $\frac{12, 18, 20, 21}{24}$	A 6 $\frac{33264, 35640, 31680, 28980, 19635}{41580}$
2 $\frac{80, 105, 108, 100}{120}$	7 $\frac{224, 294, 308, 273, 320}{336}$
3 $\frac{160, 165, 168, 171}{180}$	8 $\frac{840, 875, 900, 975, 378}{1050}$
4 $\frac{1800, 1700, 2024, 2145}{2200}$	9 $\frac{3952, 3762, 3510, 1881, 3601}{4446}$
5 $\frac{108, 160, 162, 165, 170}{180}$	10 $\frac{808, 360, 363, 378, 372}{396}$

B	1	<u>990, 1056, 972, 999, 814</u> 1188
	2	<u>816, 320, 324, 330, 345</u> 360
	3	<u>600, 693, 216, 352, 726</u> 792
	4	<u>3080, 3465, 924, 3360, 2860</u> 4620
	5	<u>286, 216, 299, 300, 264</u> 312
	6	<u>1760, 1650, 1540, 3240, 1683</u> 3960
	7	<u>990, 1925, 1680, 1694, 1782</u> 2310
	8	<u>264, 252, 830, 352, 891</u> 924
	9	<u>90, 64, 81, 136, 140</u> 144
	10	<u>1960, 1620, 2184, 2436, 2331</u> 2520
C	1	<u>220, 330, 352, 385, 400</u> 440
	2	<u>308, 330, 198, 168, 147</u> 462
	3	<u>462, 432, 99, 240, 368</u> 528
	4	<u>300, 330, 364, 378, 399</u> 420
	5	<u>627, 760, 616, 1012, 1558</u> 1672
	6	<u>702, 585, 728, 648, 676</u> 936
	7	<u>1680, 2112, 2280, 1848, 2035</u> 2640
	8	<u>325, 234, 273, 270, 280</u> 390
	9	<u>3900, 3850, 3718, 6825, 5291</u> 7150
	10	<u>664, 882, 896, 945, 972</u> 1008
D	1	<u>432, 630, 693, 644, 399</u> 1008
	2	<u>2420, 2288, 1870, 2080, 1375</u> 2640
	3	<u>462, 540, 243, 198, 286</u> 594
	4	<u>240, 272, 260, 114, 207</u> 288
	5	<u>1152, 1104, 663, 720, 352</u> 1248

D	6	<u>273, 240, 104, 30, 92</u> 312
	7	<u>2907, 646, 1026, 4437, 5643</u> 5184
	8	<u>432, 504, 243, 520, 480</u> 540
	9	<u>594, 232, 891, 1496, 1488</u> 1584
	10	<u>88, 154, 162, 153, 90</u> 198
E	1	<u>364, 540, 507, 615, 270</u> 780
	2	<u>140, 672, 490, 640, 175</u> 20
	3	<u>1144, 1386, 637, 1456, 1463</u> 2002
	4	<u>1400, 1890, 1995, 2000, 1386</u> 2100
	5	<u>690, 378, 874, 297, 1173</u> 1242
	6	<u>54, 80, 117, 136, 76</u> 144
	7	<u>308, 495, 363, 399, 315</u> 693
	8	<u>72, 54, 140, 91, 13</u> 168
	9	<u>630, 567, 525, 459, 495</u> 945
	10	<u>20, 55, 144, 70, 92</u> 160
		(Page 74.)
F	1	<u>1320, 2772, 2100, 3220, 4389</u> 4620
	2	<u>756, 546, 476, 297, 525</u> 924
	3	<u>144, 171, 150, 130, 165</u> 270
	4	<u>2400, 2450, 504, 2835, 1500</u> 4200
	5	<u>84, 198, 165, 182, 176</u> 462
	6	<u>208, 52, 110, 169, 231</u> 286
	7	<u>1144, 396, 2431, 702, 297</u> 2574
	8	<u>81, 84, 99, 78, 76</u> 216
	9	<u>132, 126, 64, 87, 187</u> 204
	10	<u>440, 402, 432, 429, 504</u> 528

## CASE V.

A 1 2 $\frac{1}{2}$	B 1 2 $\frac{1}{2}$	C 1 11 $\frac{1}{2}$	D 1 43 $\frac{1}{2}$
2 4 $\frac{1}{2}$	2 2 $\frac{1}{2}$	2 20 $\frac{1}{2}$	2 84 $\frac{1}{2}$
3 4 $\frac{1}{2}$	3 8 $\frac{1}{2}$	3 33 $\frac{1}{2}$	3 44 $\frac{1}{2}$
4 3 $\frac{1}{2}$	4 3 $\frac{1}{2}$	4 20 $\frac{1}{2}$	4 16 $\frac{1}{2}$
5 3 $\frac{1}{2}$	5 4 $\frac{1}{2}$	5 24 $\frac{1}{2}$	5 25 $\frac{1}{2}$
6 3 $\frac{1}{2}$	6 4 $\frac{1}{2}$	6 25 $\frac{1}{2}$	6 42 $\frac{1}{2}$
7 3 $\frac{1}{2}$	7 2 $\frac{1}{2}$	7 44 $\frac{1}{2}$	7 38 $\frac{1}{2}$
8 4 $\frac{1}{2}$	8 2 $\frac{1}{2}$	8 52 $\frac{1}{2}$	8 29 $\frac{1}{2}$
9 2 $\frac{1}{2}$	9 3 $\frac{1}{2}$	9 35 $\frac{1}{2}$	9 52 $\frac{1}{2}$
10 3 $\frac{1}{2}$	10 8 $\frac{1}{2}$	10 26 $\frac{1}{2}$	10 27 $\frac{1}{2}$

## CASE VI.

(Page 75.)

A 1 $\frac{1}{2}$	B 1 $\frac{1}{2}$	C 1 5 $\frac{1}{2}$	D 1 2 $\frac{1}{2}$	E 1 12 $\frac{1}{2}$
2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 6 $\frac{1}{2}$	2 13 $\frac{1}{2}$	2 1 $\frac{1}{2}$
3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 4 $\frac{1}{2}$	3 5 $\frac{1}{2}$	3 7 $\frac{1}{2}$
4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 11 $\frac{1}{2}$	4 1 $\frac{1}{2}$	4 6 $\frac{1}{2}$
5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 15 $\frac{1}{2}$	5 $\frac{1}{2}$	5 3 $\frac{1}{2}$
6 $\frac{1}{2}$	6 7 $\frac{1}{2}$	6 4 $\frac{1}{2}$	6 $\frac{1}{2}$	6 2 $\frac{1}{2}$
7 $\frac{1}{2}$	7 8 $\frac{1}{2}$	7 3 $\frac{1}{2}$	7 13 $\frac{1}{2}$	7 9 $\frac{1}{2}$
8 $\frac{1}{2}$	8 1 $\frac{1}{2}$	8 3 $\frac{1}{2}$	8 4 $\frac{1}{2}$	8 $\frac{1}{2}$
9 $\frac{1}{2}$	9 7 $\frac{1}{2}$	9 5 $\frac{1}{2}$	9 33 $\frac{1}{2}$	9 3 $\frac{1}{2}$
10 $\frac{1}{2}$	10 5 $\frac{1}{2}$	10 16 $\frac{1}{2}$	10 1 $\frac{1}{2}$	10 21 $\frac{1}{2}$

## CASE VII.

## CASE VIII.

A 1 $\frac{1}{2}$	B 1 88 $\frac{1}{2}$	C 1 98 $\frac{1}{2}$	A 1 1 $\frac{1}{2}$	B 1 3 $\frac{1}{2}$	C 1 17 $\frac{1}{2}$
2 $\frac{1}{2}$	2 180	2 1320	2 1 $\frac{1}{2}$	2 1 $\frac{1}{2}$	2 6 $\frac{1}{2}$
3 $\frac{1}{2}$	3 37 $\frac{1}{2}$	3 381 $\frac{1}{2}$	3 1	3 7 $\frac{1}{2}$	3 1 $\frac{1}{2}$
4 $\frac{1}{2}$	4 12 $\frac{1}{2}$	4 126 $\frac{1}{2}$	4 $\frac{1}{2}$	4 9 $\frac{1}{2}$	4 12 $\frac{1}{2}$
5 $\frac{1}{2}$	5 158	5 180 $\frac{1}{2}$	5 1	5 1 $\frac{1}{2}$	5 1 $\frac{1}{2}$
6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 40 $\frac{1}{2}$	6 1 $\frac{1}{2}$	6 1 $\frac{1}{2}$	6 25 $\frac{1}{2}$
7 7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 728	7 1 $\frac{1}{2}$	7 2	7 1 $\frac{1}{2}$
8 2 $\frac{1}{2}$	8 $\frac{1}{2}$	8 319 $\frac{1}{2}$	8 $\frac{1}{2}$	8 12 $\frac{1}{2}$	8 2 $\frac{1}{2}$
9 26 $\frac{1}{2}$	9 $\frac{1}{2}$	9 299 $\frac{1}{2}$	9 $\frac{1}{2}$	9 6 $\frac{1}{2}$	9 16 $\frac{1}{2}$
10 9 $\frac{1}{2}$	10 $\frac{1}{2}$	10 5318 $\frac{1}{2}$	10 1 $\frac{1}{2}$	10 8 $\frac{1}{2}$	10 3 $\frac{1}{2}$

## CASE IX. (Page 76.)

A 1 $\frac{1}{2}$	B 1 $\frac{1}{2}$	C 1 37 $\frac{1}{2}$	D 1 9
2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 385	2 7 $\frac{1}{2}$
3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 423 $\frac{1}{2}$	3 1 $\frac{1}{2}$
4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 2 $\frac{1}{2}$	4 7
5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 6 $\frac{1}{2}$	5 1 $\frac{1}{2}$
6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 36 $\frac{1}{2}$	6 9 $\frac{1}{2}$
7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 7 $\frac{1}{2}$	7 4 $\frac{1}{2}$
8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 102 $\frac{1}{2}$	8 17 $\frac{1}{2}$
9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 109 $\frac{1}{2}$	9 360
10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 228	10 112



## CASE X.

A 1 $\frac{1}{2}$	A 6 $1\frac{1}{2}$	B 1 $\frac{1}{2}$	B 6 $\frac{1}{2}$	C 1 $\frac{1}{2}$	C 6 $\frac{1}{2}$
2 $1\frac{1}{2}$	7 $1\frac{1}{2}$	2 $\frac{1}{2}$	(Page 77.)	2 $1\frac{1}{2}$	7 $1\frac{1}{2}$
3 $\frac{1}{2}$	8 $\frac{1}{2}$	3 $1\frac{1}{2}$	7 $\frac{1}{2}$	3 $\frac{1}{2}$	8 $\frac{1}{2}$
4 $\frac{1}{2}$	9 $1\frac{1}{2}$	4 $\frac{1}{2}$	8 $\frac{1}{2}$	4 $\frac{1}{2}$	9 $\frac{1}{2}$
5 $1\frac{1}{2}$	10 $\frac{1}{2}$	5 $\frac{1}{2}$	9 $\frac{1}{2}$	5 $\frac{1}{2}$	10 $\frac{1}{2}$
			10 $2\frac{1}{2}$		

## CASE XI.

A 1 $1\frac{1}{2}$	B 1 $24\frac{1}{2}$	C 1 $\frac{1}{2}$	D 1 $3\frac{1}{2}$
2 $\frac{1}{2}$	2 $7\frac{1}{2}$	2 $2\frac{1}{2}$	2 $3\frac{1}{2}$
3 $1\frac{1}{2}$	3 $43\frac{1}{2}$	3 $17\frac{1}{2}$	3 $0\frac{1}{2}$
4 $5\frac{1}{2}$	4 $7\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
5 $\frac{1}{2}$	5 $4\frac{1}{2}$	5 1	5 $88\frac{1}{2}$
6 $\frac{1}{2}$	6 $18\frac{1}{2}$	6 $\frac{1}{2}$	(Page 78.)
7 $1\frac{1}{2}$	7 $67\frac{1}{2}$	7 $2\frac{1}{2}$	6 $13\frac{1}{2}$
8 $4\frac{1}{2}$	8 $2\frac{1}{2}$	8 1	7 $1\frac{1}{2}$
9 $7\frac{1}{2}$	9 $6\frac{1}{2}$	9 $\frac{1}{2}$	8 $143\frac{1}{2}$
10 $\frac{1}{2}$	10 $29\frac{1}{2}$	10 $\frac{1}{2}$	9 $3\frac{1}{2}$
			10 $54\frac{1}{2}$

## CASE XII.

A 1 11d.	B 5 2qrs. 1n.	C 8 3dr. 2sec.
2 2s. 7 $\frac{1}{2}$ d.	6 2qrs. 1 $\frac{1}{2}$ n.	9 8gal. 3qt. 1 $\frac{1}{2}$ pt.
3 7 $\frac{1}{2}$ d.	7 1ft. 77 $\frac{1}{2}$ in.	10 3hhd. 31gal. 2qt.
4 1s. 11 $\frac{1}{2}$ d.	8 760 square yards	D 1 30gal.
5 9s. 7 $\frac{1}{2}$ d.	9 22cu. ft. 157 $\frac{1}{2}$ in.	2 5gal. 1qt. 1 $\frac{1}{2}$ pt.
6 3s. 9 $\frac{1}{2}$ d.	10 1512 cubic in.	3 31gal. 2qts.
7 2s. 2d.	C 1 8qrs. 12lbs., or 96lbs.	4 1wey 4qrs.
8 5s. 10d.	2 16cwt. 1qr. 12lbs.	5 6bush. 1pk. 1 $\frac{1}{2}$ gal.
9 6s. 5 $\frac{1}{2}$ d.	11oz. 10 $\frac{1}{2}$ drs.	6 3 $\frac{1}{2}$ pks., or 3pks. 0gal.
10 10s. 1 $\frac{1}{2}$ d.	3 24lbs. 8oz.	Qts. 1 $\frac{1}{2}$ pt.
B 1 697 yards.	4 7oz. 10dwt.	7 6bush. 3pks.
2 3 $\frac{1}{2}$ yards.	5 16dwt. 8 $\frac{1}{2}$ grs.	8 16quires 16sheets.
3 2m. 5fur. 13p. 1yd. 2ft.	6 107 $\frac{1}{2}$ lbs.	9 162days 5hrs. 20min.
6in.	7 6oz. 2dr. 0sc. 5 $\frac{1}{2}$ gr.	10 3wks. 4da. 16hrs.
4 4qrs. 2 nails		

## CASE XIII.

(Page 79.)

A 1 $\frac{1}{2}$	B 1 $\frac{1}{2}$	C 1 $\frac{1}{2}$	D 1 $\frac{1}{2}$	E 1 $\frac{1}{2}$
2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$
3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$
4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$
6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$
7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$
8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$
9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$
10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$

(Page 80.)

F 1	1 <sup>1</sup> / <sub>2</sub> v	H 1	5 <sup>1</sup> / <sub>2</sub>	J 1	44323 <sup>1</sup> / <sub>2</sub>	L 1	29 <sup>1</sup> / <sub>2</sub>	N 1	1 <sup>1</sup> / <sub>2</sub> 8	P 1	3 <sup>1</sup> / <sub>2</sub> 8 8
2	u <sup>1</sup> / <sub>2</sub> v	2	3 <sup>1</sup> / <sub>2</sub>	2	u <sup>1</sup> / <sub>2</sub> v	2	u <sup>1</sup> / <sub>2</sub> v	2	u <sup>1</sup> / <sub>2</sub> v	2	3 <sup>1</sup> / <sub>2</sub> 8
3	u <sup>1</sup> / <sub>2</sub> v	3	1 <sup>1</sup> / <sub>2</sub> v	3	871 <sup>1</sup> / <sub>2</sub>	3	208	3	2 <sup>1</sup> / <sub>2</sub> 8	3	1 <sup>1</sup> / <sub>2</sub> v
4	800	4	u <sup>1</sup> / <sub>2</sub> v	4	1 <sup>1</sup> / <sub>2</sub> v	4	6 <sup>1</sup> / <sub>2</sub>	4	4 <sup>1</sup> / <sub>2</sub>	4	1 <sup>1</sup> / <sub>2</sub> v
5	12 <sup>1</sup> / <sub>2</sub>	5	u <sup>1</sup> / <sub>2</sub> v	5	208	5	1 <sup>1</sup> / <sub>2</sub> v	5	1 <sup>1</sup> / <sub>2</sub> v	5	1 <sup>1</sup> / <sub>2</sub> v
6	49 <sup>1</sup> / <sub>2</sub> v	6	1 <sup>1</sup> / <sub>2</sub> v	6	u <sup>1</sup> / <sub>2</sub> v	6	17 <sup>1</sup> / <sub>2</sub>	6	1 <sup>1</sup> / <sub>2</sub>	6	4 <sup>1</sup> / <sub>2</sub> v
7	3 <sup>1</sup> / <sub>2</sub>	7	1008	7	225	7	u <sup>1</sup> / <sub>2</sub> v	7	4 <sup>1</sup> / <sub>2</sub>	7	u <sup>1</sup> / <sub>2</sub> v
8	3 <sup>1</sup> / <sub>2</sub>	8	1 <sup>1</sup> / <sub>2</sub> v	8	u <sup>1</sup> / <sub>2</sub> v	8	65	8	1	8	1 <sup>1</sup> / <sub>2</sub> v
9	3 <sup>1</sup> / <sub>2</sub> 8	9	2 <sup>1</sup> / <sub>2</sub>	9	56	9	1 <sup>1</sup> / <sub>2</sub> v	9	1 <sup>1</sup> / <sub>2</sub> 8	9	51 <sup>1</sup> / <sub>2</sub>
10	3 <sup>1</sup> / <sub>2</sub>	10	3 <sup>1</sup> / <sub>2</sub>	10	u <sup>1</sup> / <sub>2</sub> v	10	7040	10	6 <sup>1</sup> / <sub>2</sub> 8	10	u <sup>1</sup> / <sub>2</sub> v
G 1	u <sup>1</sup> / <sub>2</sub> v	I 1	u <sup>1</sup> / <sub>2</sub> v	K 1	800	M 1	20	O 1	10	Q 1	38 <sup>1</sup> / <sub>2</sub> v
2	8 <sup>1</sup> / <sub>2</sub>	2	1540	2	u <sup>1</sup> / <sub>2</sub> v	2	5 <sup>1</sup> / <sub>2</sub>	2	1 <sup>1</sup> / <sub>2</sub>	2	u <sup>1</sup> / <sub>2</sub> v
3	u <sup>1</sup> / <sub>2</sub> v	3	u <sup>1</sup> / <sub>2</sub> v	3	30	3	1 <sup>1</sup> / <sub>2</sub> v	3	1 <sup>1</sup> / <sub>2</sub>	3	4 <sup>1</sup> / <sub>2</sub>
4	1 <sup>1</sup> / <sub>2</sub> 8	4	203 <sup>1</sup> / <sub>2</sub> v	4	u <sup>1</sup> / <sub>2</sub> v	4	7 <sup>1</sup> / <sub>2</sub>	4	1 <sup>1</sup> / <sub>2</sub>	4	1 <sup>1</sup> / <sub>2</sub>
5	3 <sup>1</sup> / <sub>2</sub>	5	u <sup>1</sup> / <sub>2</sub> v	5	12 <sup>1</sup> / <sub>2</sub>	5	u <sup>1</sup> / <sub>2</sub> v	5	1 <sup>1</sup> / <sub>2</sub> 8	5	4 <sup>1</sup> / <sub>2</sub> v
6	1 <sup>1</sup> / <sub>2</sub>	6	1 <sup>1</sup> / <sub>2</sub>	6	26 <sup>1</sup> / <sub>2</sub>	6	3 <sup>1</sup> / <sub>2</sub>	6	u <sup>1</sup> / <sub>2</sub> v	6	3 <sup>1</sup> / <sub>2</sub> v
7	u <sup>1</sup> / <sub>2</sub> v	7	1 <sup>1</sup> / <sub>2</sub>	7	u <sup>1</sup> / <sub>2</sub> v	7	u <sup>1</sup> / <sub>2</sub> v	7	20	7	3 <sup>1</sup> / <sub>2</sub> 8
8	10 <sup>1</sup> / <sub>2</sub> 8	8	1 <sup>1</sup> / <sub>2</sub>	8	u <sup>1</sup> / <sub>2</sub> v	8	3 <sup>1</sup> / <sub>2</sub>	8	222 <sup>1</sup> / <sub>2</sub> 8	8	u <sup>1</sup> / <sub>2</sub> v
9	u <sup>1</sup> / <sub>2</sub> v	9	4436 <sup>1</sup> / <sub>2</sub>	9	u <sup>1</sup> / <sub>2</sub> v	9	u <sup>1</sup> / <sub>2</sub> v	9	1 <sup>1</sup> / <sub>2</sub>	9	8 <sup>1</sup> / <sub>2</sub> 8
10	u <sup>1</sup> / <sub>2</sub> v	10	u <sup>1</sup> / <sub>2</sub> v	10	u <sup>1</sup> / <sub>2</sub> v	10	u <sup>1</sup> / <sub>2</sub> v	10	1 <sup>1</sup> / <sub>2</sub> v	10	25 <sup>1</sup> / <sub>2</sub> 8

## CASE XIV. (Page 81.)

A 1	5 <sup>1</sup> / <sub>2</sub> d.	C 5	18dwts. 14 <sup>1</sup> / <sub>2</sub> grs.	E 10	7s. 1 <sup>1</sup> / <sub>2</sub> d.
2	0l. 15s. 3 <sup>1</sup> / <sub>2</sub> d.	6	1 tod 1 <sup>1</sup> / <sub>2</sub> lbs. or 29 <sup>1</sup> / <sub>2</sub> lbs.	F 1	4fur. 39p. 2yds.
3	0l. 19s. 0 <sup>1</sup> / <sub>2</sub> d.	7	10oz. 5drs. 1sc. 10 <sup>1</sup> / <sub>2</sub> grs.	2	5fur. 1p. 5yds. 0ft. 4 <sup>1</sup> / <sub>2</sub> in.
4	1l. 3s. 0d.	8	6drs. 1sc. 17 <sup>1</sup> / <sub>2</sub> grs.	3	1 m. 2 fur. 33 p. 1 yd.
5	0l. 9s. 1 <sup>1</sup> / <sub>2</sub> d.	9	3hhd. 48gals. 2 <sup>1</sup> / <sub>2</sub> qts.		2ft. 6in.
6	0l. 9s. 2 <sup>1</sup> / <sub>2</sub> d.	10	34gals. 2qts. 1 <sup>1</sup> / <sub>2</sub> pts.	4	2 roods 22 perches
7	0l. 3s. 2 <sup>1</sup> / <sub>2</sub> d.	D 1	40gals. 0qts. 0 <sup>1</sup> / <sub>2</sub> pts.	5	1 acre 1 rood 12 perch.
8	1l. 1s. 9d.	2	28gals. 2qts. 0 <sup>1</sup> / <sub>2</sub> pts.	6	4 cu. ft. 829 <sup>1</sup> / <sub>2</sub> in.
9	0l. 13s. 2 <sup>1</sup> / <sub>2</sub> d.	3	8bush. 1pk. 1 <sup>1</sup> / <sub>2</sub> gals	7	15cwt. 3qrs. 3lbs. 1oz.
10	1l. 6s. 0 <sup>1</sup> / <sub>2</sub> d.	4	27bush. 3 <sup>1</sup> / <sub>2</sub> pks.		12 <sup>1</sup> / <sub>2</sub> drs.
B 1	0l. 12s. 10 <sup>1</sup> / <sub>2</sub> d.	5	4wks. 2da. 1hr. 20min.	8	10cwt. 3qrs. 14lbs.
2	1l. 18s. 5d.	6	11m. 1wk. 17hrs. 29 <sup>1</sup> / <sub>2</sub> m.	9	5oz. 13 <sup>1</sup> / <sub>2</sub> drs.
3	3l. 1s. 1 <sup>1</sup> / <sub>2</sub> d.		(Page 82.)	10	17cwt. 2qrs. 1lb. 5 <sup>1</sup> / <sub>2</sub> oz.
4	1l. 7s. 4d.	7	10l. 12s. 3 <sup>1</sup> / <sub>2</sub> d.	G 1	9oz. 15dwts. 9grs.
5	0l. 10s. 2 <sup>1</sup> / <sub>2</sub> d.	8	20l. 18s. 0 <sup>1</sup> / <sub>2</sub> d.	2	2oz. 6dwts. 16grs.
6	5fur. 13p. 2yds. 2ft. 3in.	9	17l. 0s. 4 <sup>1</sup> / <sub>2</sub> d.	3	5oz. 2dwts. 5 <sup>1</sup> / <sub>2</sub> grs.
7	35p. 5yds. 0ft. 6in.	10	23l. 4s. 1 <sup>1</sup> / <sub>2</sub> d.	4	24 <sup>1</sup> / <sub>2</sub> lbs.
8	1yd. 2qrs. 0 <sup>1</sup> / <sub>2</sub> n.	E 1	15s. 9 <sup>1</sup> / <sub>2</sub> d.	5	7oz. 5drs. 0sc. 9 <sup>1</sup> / <sub>2</sub> grs.
9	1yd. 0qrs. 1n.	2	3s. 4 <sup>1</sup> / <sub>2</sub> d.	6	1lb. 0oz. 5drs. 1sc. 8grs.
10	3ro. 12 <sup>1</sup> / <sub>2</sub> p.	3	18s. 0 <sup>1</sup> / <sub>2</sub> d.	7	4oz. 0drs. 2sc. 7 <sup>1</sup> / <sub>2</sub> grs.
C 1	26cu. ft. 907 <sup>1</sup> / <sub>2</sub> in.	4	8s. 4 <sup>1</sup> / <sub>2</sub> d.	8	57gals. 3 quarts
2	11cwt. 3qrs. 27lbs. 4oz.	5	2s. 3 <sup>1</sup> / <sub>2</sub> d.	9	2hhd. 29gals. 3qts.
	7 <sup>1</sup> / <sub>2</sub> drs.	6	1s. 1 <sup>1</sup> / <sub>2</sub> d.	10	9gals. 0qts. 1pt.
3	3 qrs. 22 lbs. 11 oz.	7	4s. 7 <sup>1</sup> / <sub>2</sub> d.	H 1	25gals. 0qts. 1pt.
	1 <sup>1</sup> / <sub>2</sub> drs.	8	2s. 8 <sup>1</sup> / <sub>2</sub> d.	2	16 gallons
4	11oz. 2dwts. 22grs.	9	9s. 11 <sup>1</sup> / <sub>2</sub> d.	3	10gals. 2qts. 0 <sup>1</sup> / <sub>2</sub> pts.

H4 1pk. 0gals. 2qts. 1½pt.	I 9 2qrs. 6bush. 1½pks.	K 6 1l. 4s. 8½d.
5 4bush. 3pecks	10 4mths. 2½wks.	7 3l. 18s. 1½d.
6 7bush. 2pks. 0½gals.	J 1 67l. 4s. 1½d.	8 3l. 18s. 5½d.
(Page 83.)	2 220l. 17s. 1½d.	9 2l. 15s. 4½d.
7 13bush. 0pks.	3 103l. 17s. 9½d.	10 2l. 1s. 5½d.
8 2quires 12 sheets	4 557l. 13s. 3½d.	L 1 4l. 15s. 0½d.
9 2wks. 3da. 21hrs. 20m.	5 408l. 8s. 9½d.	2 5l. 8s. 0½d.
10 18hrs. 44min. 7½sec.	6 636l. 2s. 11½d.	3 11l. 19s. 4½d.
I 1 4l. 4s. 10½d.	7 537l. 5s. 2½d.	4 6l. 7s. 8½d.
2 2l. 10s. 2½d.	8 984l. 8s. 4½d.	5 7l. 14s. 1½d.
3 2l. 17s. 5½d.	9 1407l. 7s. 8½d.	6 1cwt. 3qrs. 6½lbs.
4 7l. 11s. 1½d.	10 2612l. 16s. 5½d.	(Page 84.)
5 2cwt. 0qrs. 22½lbs.	K 1 31cwt. 1qr. 26½lbs.	7 1ton 13cwt. 1½qrs.
6 3tons 16½cwt.	2 90tons 7cwt. 0qrs.	8 1m. 2fur. 31½p.
7 1400½yards	3 85m. 3fur. 10½p.	9 2qrs. 6bush. 1½pks.
8 4 yds. 3½ qrs., or	4 301qrs. 0bush. 2½pks.	10 1yr. 3mths. 2½wks.
3 E. ells 4½ qrs.	5 170yrs. 12mths. 3½w.	

## MISCELLANEOUS EXAMPLES. (Page 84.)

A 1 ½ of ½ by ½	C 8 1	(Page 86.)	H 8 ½
2 11½	9 ½, ½, ½, ½	F 4 12 times	9 1½
3 69½ solid feet	& the sum 1½	5 10l. 18s. 9d.	10 4fur. 16 poles
4 41½	10 ½	6 ½	I 1 2660l. 13s. 4d.
5 ½	D 1 ½, ½, ½, ½	7 97½	2 40l. 19s. 5½d.
6 11s. 10½d.	2 1½	8 1l. 14s. 11½d.	(Page 87.)
7 5l. 8s. 4d.	3 31l. 5s. 0d.	9 1689½ bricks	3 ½
8 29½	4 ½	10 3m. 7fur. 8p. 2ft. 6in.	4 3cwt. 3qrs.
9 ½	5 2l. 8s. 1½d.	G 1 10 cwt. 3 qrs. 24lbs. 14½oz.	5 ½
10 5142l. 17s. 1½d.	6 225l. 12s. 0½d.	2 ½	6 ½
B 1 4s. 6d.	7 38½	3 1l. 17s. 9½d.	7 14½
2 12½	8 1½	4 11½	8 ½
3 2½	9 ½	5 14cwt. 1qr. 7lbs. 7oz. 7½drs.	9 14m. 8fur. 35p. 8yds. 2in.
4 2l. 12s. 11½d.	10 ½	6 93l. 15s. 0d.	10 17s. 6d., 17s. 6d., 10s. 6d.
5 72 persons	E 1 1	7 ½	J 1 ½
6 54	2 2l. 14s. 10½d.	8 ½	2 ½
7 6 miles	3 22l. 14s. 7½d.	9 ½ pro. 1½ quo.	3 119½oz.
8 16s. 8d.	4 298½ days	10 5½	4 780l.; 562l. 10s.; 875l.; 312l. 10s.
9 ½	5 ½	H 1 ½	5 1l. 19s. 0d.
10 ½	6 8s. 6½d., 7s. 10½d. 7s. 10½d.	2 3s. 9½d.	6 ½
C 1 4½	7 2½	3 30l. 9s. 2d.	7 ½
2 44l. 8s. 10½d.	8 ½	4 400½	8 ½
3 25½	9 10½	5 ½	9 ½
4 ½	10 0½	6 11s. 3d.	10 9800l.
5 ½	F 1 26½	7 ½	
(Page 85.)	2 ½		
6 3fur. 31p. 1½yd.	3 1l. 18s. 9d.		
7 71½			

## DECIMAL FRACTIONS. (Page 88.)

No. 15.

## CASE I.

A 1 .1	B 1 5.25	C 1 .00608	D 1 5.5	E 1 .375
2 .08	2 .875	2 .1152	2 7.75	2 .625
3 .07	3 .68	3 .0703125	3 8.875	3 .2578125
4 .11	4 10.9	4 .05859375	4 9.52	4 .46875
5 .017	5 .14	5 54.625	5 13.03125	5 .375
6 .25	6 .54	6 .05084	6 23.136	6 4.30125
7 .5	7 .304	7 .135	7 8.052	7 11.2890625
8 .75	8 .16	8 .1	8 4.2109375	8 47.10546875
9 .4	9 7.96875	9 .0017578125	9 5.828125	9 31.0390625
10 .8	10 .359375	10 .013671875	10 7.015	10 4.24

## CASE II.

A 1 $\frac{1}{2}$	B 1 $\frac{5}{8}$	C 1 $\frac{1}{160}$	D 1 $\frac{11}{16}$	E 1 $\frac{4}{11}$
2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{80}$	2 $\frac{3}{8}$	2 $\frac{1}{5}$
3 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{40}$	3 $\frac{11}{16}$	3 $\frac{3}{11}$
4 $\frac{1}{2}$	4 $\frac{5}{8}$	4 $\frac{1}{20}$	4 $\frac{11}{8}$	4 $9\frac{1}{5}$
5 $\frac{5}{8}$	5 $\frac{1}{2}$	5 $\frac{1}{16}$	5 $2\frac{1}{8}$	5 $7\frac{1}{11}$
6 $\frac{3}{4}$	6 $\frac{3}{4}$	6 $\frac{3}{80}$	6 $\frac{11}{4}$	6 $\frac{6}{11}$
7 $\frac{7}{8}$	7 $\frac{1}{2}$	7 $\frac{7}{160}$	7 $2\frac{1}{2}$	7 $\frac{7}{11}$
8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{40}$	8 $7\frac{1}{8}$	8 $8\frac{1}{11}$
9 $\frac{9}{10}$	9 $\frac{9}{10}$	9 $\frac{9}{160}$	9 $1\frac{1}{8}$	9 $\frac{9}{11}$
10 $\frac{5}{10}$	10 $1\frac{1}{2}$	10 $\frac{1}{20}$	10 $\frac{11}{2}$	10 $1\frac{1}{11}$

## CASE III.

A 1 .83	(Page 88.)	B 8 .4592	D 5 .76540	(Page 89.)
2 .8		9 .0364583	6 1.142857	
3 .916		10 .1	7 .857142	
4 .6		C 1 .10714285	8 .7053571428	
5 .2571428		2 .14857142	9 .1332	
6 .03571428	(Page 89.)	3 .2037	10 .238095	
7 .106		4 .027	E 1 .142857	(Page 88.)
8 .14588		5 .02285714	2 .06857142	
9 .223		6 5.756	3 .2045	
10 8.916	(Page 88.)	7 37.814671	4 .25513	
B 1 4.0018		8 .5090	5 .0444	(Page 89.)
2 .6616384		9 .916	6 .25513	
3 3.8		10 .714285	7 9.6136	
4 .3164556962025		D 1 .285714	8 7.128071253	
5 .054	(Page 89.)	2 .076923	9 3.0783780168	
6 .409		3 1.857142	10 8.15822784810126	
7 .6952380.		4 .5122850		

## CASE IV.

A 1	1	B 1	1111	C 1	611111	D 1	211
2	11	2	1111	2	411111	2	1111
3	11	3	1111	3	511111	3	11
4	111	4	511111	4	411111	4	71
5	11	5	7111	5	511	5	311
6	111	6	111	6	10111111	6	211
7	111	7	1111	7	311111	7	3711
8	111	8	111	8	511111	8	0111
9	111	9	1111	9	61111	9	811111
10	111	10	111	10	911111	10	1911111

## CASE V.

A 1	351.7906	B 1	525.97924 (Page 90.)	C 1	340.4855275	D 1	383.3194
2	421.20535	2	149.70006	2	279.0207808	2	1.761804
3	279.6899	3	850.37025	3	8642.730796	3	.355769230
4	196.005344	4	641.3209	4	2287.93642	4	24.82936507
5	411.6864	5	625.37699	5	7490.02457	5	37.1
6	865.63004	6	425.35703	6	1010.71432	6	27.1402116
7	2938.49	7	339.324078	7	225.9309665	7	289.0984
8	80.39057	8	3533.983007	8	424.1234169	8	.948717
9	1237.919089	9	3941.17663	9	4467.9411607	9	98.5370
10	763.45065	10	324.50684	10	1236.740022	10	10.285256410

## CASE VI. (Page 91.)

A 1	3.983737	B 1	208.101524	C 1	39.21205	D 1	.011396
2	84.59892	2	24.00729	2	.8753321	2	.0714285
3	7.688396	3	.07026717	3	2881.3964	3	.049382716
4	3.497652	4	704.2315997	4	17.493416	4	80.948347
5	.0331822	5	18431.5992	5	429.9185	5	14.8070923
6	.1377382	6	11.6904	6	.09323572	6	12.931623
7	197.75878	7	7.5344	7	373.57673	7	7.0490
8	.7254288	8	.00038176	8	15.00794	8	18.42663817
9	3.53099	9	.9997315	9	.0004554	9	.18406593
10	3.290719	10	40626.1571	10	1595.5037	10	.3315018

## CASE VII.

(Page 92.)

A 1	114.64987952	A 6	.959744	B 1	431.907996	B 6	.000000384
2	1.7273622156	7	.0450184	2	7.2766764	7	.057908592
3	4126.65750	8	71.162696	3	6.668882	8	7.481352
4	.0000274104	9	9.86872005	4	2141.88436	9	3.49227396
3.08691255		10	.0362513	5	.166614	10	1344.672142

C1 6.28201944	C10 .45015384	D9 .0010089564	
2 365.9436328	D1 .0005375434	10 .0281201256	E5 .051282
3 6.9636192	2 .1954908		6 190.6
4 .0149762715	3 .000357911	E1 .185	7 3.846153
5 .000000088157	4 3.86269884	2 .09	8 .15
6 .00008227406	5 444.42528	3 .285714	9 .4
7 1158.9963392	6 .000543207	4 .0367905	10 26
8 .717204492	7 98.8452864		
9 .068803756	8 6.0676128		

## CASE VIII.

A1 10.410168 &c.	B5 6.485	C9 .0046765	
2 .001698184	6 4294.252598	10 45261.53011 &c	E3 235.8
3 3335441	7 .267971116 &c.	D1 .0000090508 &c	4 4.09
4 .003381528 &c.	8 .009752999 &c.	2 857622.7678 &c	5 .092664
5 49778.64077 &c.	9 328973.1773 &c	3 .0031746384 &c	6 1.428571
6 26.8701	10 .0000994917 &c	4 .0830207064 &c	7 .11419753086
7 183.682046 &c.	(Page 93.)	5 994.577	8 .001201923076
8 19.82142857	C1 86.4711010269	6 .008315262 &c.	9 2.138
9 299.9739583	2 92916.09353 &c	7 .0906747 &c.	10 449.428571
10 2127.65957 &c.	3 .31904567 &c.	8 61495.03224 &c	
B1 10.83658 &c.	4 6000	9 .000359937	
2 2867.5041479	5 6.625	10 .097169208 &c.	
3 .000255749 &c.	6 .0339206	E1 2.963	
4 4687690	7 .00004312195	2 108	
	8 .000065		

## CASE IX.

A1 5s. 6d.	A6 7s. 5.28792d.	B1 73l. 1s. 3.48d.	B6 21l. 13s. 1.99344
2 11s. 7½d.	7 6s. 4.041d.	2 11l. 1s. 0.9652d	7 1l. 17s. 4.5784d
3 1s. 6.27d.	8 3.54d.	3 10.10775d.	8 10l. 10s. 1.8936
4 8s. 1.312d.	9 1s. 11.4d.	4 2l. 18s. 11.2029d	9 1l. 0s. 11.2323
5 7.56d.	10 3l. 11s. 4.2d.	5 7l. 19s. 5.1375d	10 53l. 12s. 9.42d
C1 53l. 9s. 2.90625d.	D6 6s. 1.35d.	E9 11.34sq. in.	
2 3s. 10.4352d.	7 1s. 10.1d.	10 461.16352 cu. yds.	
3 12l. 7s. 4.94025d.	8 42l. 16s. 7.8d,	F1 25 cwt. 1qr. 1.33lb.	
4 7l. 13s. 5.175d.	9 4½d.	2 14 cwt. 0qrs. 12.81 lbs.	
5 1l. 19s. 10.2537375d.	10 2l. 18s. 4.17d.	3 8 stones 4.445 lbs.	
6 1s. 1.1091444d.	(Page 94)	4 114 cwt. 0qrs. 26.69lbs	
7 36l. 1s. 8.190924d.	E1 115.13yds.	5 1 cwt. 2qrs. 27.776lbs.	
8 7l. 13s. 2.823d.	2 2m. 1307.745 yds.	6 4oz. 9dwts. 9.9456grs.	
9 9l. 17s. 7.509d.	3 153.93488 yds.	7 10 lbs. 7oz. 3dwts.	
10 19l. 17s. 2.592555d.	4 3m. 5fur. 11p. 4.8125	10.848 grs.	
D1 2.39182125d.	yds.	8 340.2lbs.	
2 6s. 5.16d.	5 29p. 2.134 yds;	9 6drs. 1sc. 10.7584 grs.	
3 12l. 7s. 9.4524d.	6 3qrs. 3.39n.	10 2lbs. 11oz. 2sc.	
4 15l. 19s. 4.8d.	7 24.07965 yds.	14.1884 grs.	
5 17l. 1s. 11.266d.	8 380.606 yds;	G1 1.06281 gal.	
		2 2 tier 17 gals. 1.972qts.	

G 3	3 hds. 11gls. 1.7632qts.	H 9	3wks. 5da. 1hr. 30min.	I 9	3qrs. 4bush 2.64pks.
4	46.0943 gals.		47.088sec.	10	124da. 11hrs. 6min.
5	3 pipes 27.09 gals.	10	1da. 12hrs. 53min.	J 1	10s. 8.571428
6	2 gals. 3.304 qts.		14.145792sec.	2	17s. 4.8d.
7	1 fir. 6.1875 gals.	I 1	3fur. 6p. 1.1yd.	3	17. 1s. 0.2d.
8	3 hhds. 9.0828 gals.	2	2m. 5fur. 88yds.	4	61.
9	1gal. 3qts. 1.30956pts.	3	2Eng. ells 4qrs. 3.9n.	5	16s. 11.03d.
10	3.05672pks.		or 3yds. 2qrs. 3.9n.	6	1fur. 15p. 3yds. 0ft.
H 1	2qrs. 0bush. 3.5152pk.	4	3Fr. ells 1qr. 2.4n. or	7	2qrs. 21lbs.
2	17bush. 3.475pks.		4yds. 3qrs. 2.4n.	8	3tons 4cwt. 1qr. 4lbs.
3	5bush. 2.0896pks.	5	7sq. ft. 44.64sq. in.	9	4qrs. 3bush.
4	20bush. 2.0272pks.	6	1cwt. 1qr. 25lbs. 14oz.	10	298da. 20hrs. 10min.
5	2reams 9qu. 13.68sh.		6.4drs.		54.54sec.
6	316 days 20.0667hrs.	7	2cwt. 0qr. 27lbs. 12oz.		
7	2wks. 6da. 4.176hrs.		12.8drs.		
8	4days 2hrs. 33min.	8	7gals. 1.4qt.		
	51.84sec.				

## CASE X.

A 1	.227083	C 6	.2916	F 1	.484375	H 6	.75
2	.1864583	7	.465	2	4.86	7	28.857142
3	.275	8	.60	3	15.3	8	.46875
4	.33125	9	57.5625	4	.09375	9	11.428571
5	.47083	10	4.86	5	.839285714	10	1.525
6	.371875	D 1	.1927083	6	3.8	I 1	.2916
7	.4114583	2	.211805	7	.94	2	.175
8	1.383	3	4.2095238	8	1.875	3	45.714285
9	.185416	4	57.6428571	9	.25	4	.083
10	.877083	5	1.1927651	10	.38	5	.016
	(Page 95.)	6	.0640873015	G 1	.609375	6	.260841
B 1	.18203125	7	.47083	2	.190625		(Page 96)
2	.6537698412	8	.128968253	3	.015625	7	1.521875
3	.5740	9	3.037	4	19.09	8	.08
4	2.216	10	.329670	5	.006428571	9	.3461538
5	1.839285714	E 1	.129761904	6	4.846153	10	3.6525
6	1.74375	2	.0553385416	7	.316	J 1	1.246875
7	3.472	3	.3815789 &c.	8	3.06	2	2.734375
8	.6148	4	.06325	9	.14583	3	22.1
9	.395625	5	.3267045	10	22.1	4	.142857
10	.605	6	.03421875	H 1	4.846153	5	.09
C 1	2.706293	7	.6643518	2	.303571428	6	3.2505681
2	.384875	8	.603174	3	3.5	7	.04
3	.634920	9	41.375	4	.259	8	18.3
4	.9075					9	12.8857

## MISCELLANEOUS EXAMPLES. (Page 90.)

A 1 .361019	D 6 $\frac{1}{100}$ , or .4117063492	G 10 24 $\frac{1}{10}$
2 12s. 4 $\frac{1}{2}$ d.	7 4s. 2.019d.	H 1 5 $\frac{1}{2}$ . 18s. 3d. and
3 .416	8 .84140625	.36328725 &c.
4 .896875	9 128qrs. 7bush. 2.425p	2 31.875square feet and
5 1.3	10 3 $\frac{1}{10}$	1 $\frac{1}{2}$ Os. 4.125d.
6 2s. 7.257d.	(Page 98.)	3 35 persons
7 .01232518	E 1 $\frac{1}{10}$	4 1 ton 11cwt. 12lbs.
8 .1097334 &c.	2 2 $\frac{1}{2}$ . 9s. 9.12249d.	2oz. 14.08dra.
9 3.8	3 .00312146461538	5 .5
10 $\frac{1}{10}$	4 .679375	6 567 $\frac{1}{2}$ bricks
B 1 .158730	5 5 $\frac{1}{2}$ . 5s. 9.768d. and	7 249.046875 feet
2 5.91796875	.719823129 &c.	8 $\frac{1}{2}$ , or .5
3 6.6784375	6 .449942137 &c.	9 .7
4 21.3	7 $\frac{1}{2}$ , or .5	10 10 $\frac{1}{2}$
5 4	8 .2863	I 1 2 $\frac{1}{2}$ . 15s. Od.
6 2.625 $\frac{1}{2}$ 7 the greatest,	9 .1	(Page 100.)
2.5 $\times$ .075 the least.	10 1.4765212 &c.	2 7s. 9 $\frac{1}{2}$ d.
7 7 $\frac{1}{2}$ . 2s. 6d.	F 1 $\frac{1}{10}$	3 .7
8 4 $\frac{1}{2}$ . 2s. 5.6364d.	2 15.5lbs.	4 .198125 & 20.3205128
(Page 97.)	3 .147486772	5 99sq. inches
9 .0375	4 13s. 6d.	6 35 $\frac{1}{2}$ Os. 11.861d.
10 4 $\frac{1}{2}$ . 14s. 7 $\frac{1}{2}$ d. & .7009259	5 $\frac{1}{10}$ or .2916	7 .23500925
C 1 .0785129 &c.	6 2.312 & 1 $\frac{1}{2}$ . 11s. 9 $\frac{1}{2}$ d.	8 .2083
2 10m. 1987.993yds.	7 .380952	9 19.70171875
3 280.1129 &c.	8 .6	10 2374.6610169 &c.
4 .159143518	9 $\frac{1}{10000}$	J 1 .084656
5 13 $\frac{1}{100}$ , or 13.5531707	10 .182936507	2 18 $\frac{1}{2}$ and 3.6
6 11.8697916	G 1 1 $\frac{1}{2}$ . 2s. Od.	3 7s. 6.78d.
7 245.8413461538	(Page 99.)	4 2 $\frac{1}{10}$
8 197 $\frac{1}{2}$ . 10s. 4.63d.	2 .09730936875	5 1.27361qrs.
9 .6230769	3 9 $\frac{1}{2}$ . 9s. 9.078125d.	6 27.692307
10 2 $\frac{1}{10}$	4 2s. 4.4328d.	7 .0171532846
D 1 10.5835416	5 6 $\frac{1}{2}$ . 10s. 4.6474d.	8 18.9871794
2 .03429355 &c.	6 .82285714	9 .1305
3 17 $\frac{1}{10}$	7 .82452051	10 .3155308
4 .027056	8 $\frac{1}{10}$ , or .226	
5 5.3	9 80cwt. 2qrs. 13lbs.	
	9oz. 13.597696dra.	



## PRACTICE. (Page 101.)

No 16.

	£	s.	d.		£	s.	d.		£	s.	d.		£	s.	d.
A 1	4	5	0½	E 6	340	9	2½	J 1	94	10	0	N 5	111	7	0½
2	5	13	11	7	191	0	8	2	686	11	6½	6	1007	10	0
3	12	16	5½	8	98	17	2½	3	585	5	1	7	1845	5	8
4	7	10	4	9	178	1	2	4	397	19	3	8	614	0	4
5	8	11	2	10	201	2	5	5	213	1	4	9	2613	15	7½
6	22	3	11½	F 1	190	18	11½	6	305	8	9	10	755	2	6
7	33	7	7	2	213	17	1	7	414	17	6½	O 1	1471	6	4
8	5	13	5½	3	110	2	6½	8	1014	7	5	2	692	9	3½
9	12	18	3	4	243	10	8	9	1024	16	4½	3	4086	12	5½
10	24	6	0½	5	120	2	8	10	603	7	3	4	2093	6	0
B 1	37	0	8	6	227	6	1½	K 1	1336	8	6	5	3011	16	0
2	28	14	6	7	176	8	5½	2	485	12	1½	6	2685	12	7
3	74	4	4½	8	354	6	4	3	1211	17	9½	7	258	6	10
4	103	5	0½	9	63	17	9	4	2356	0	0	8	1033	13	6
5	21	6	6	10	404	19	5½	5	1525	16	0½	9	5879	3	4
6	120	7	2	G 1	461	4	10½	(Page 102.)				10	196	2	1½
7	58	7	6½	2	375	13	9	6	891	9	10½	P 1	1104	19	0
8	15	15	3½	3	171	18	10½	7	1723	13	3½	2	7524	9	6
9	129	12	4	4	259	0	10½	8	3296	3	3½	3	103	4	6½
10	118	0	10½	5	507	2	8	9	2954	5	2½	4	124	2	6½
C 1	132	5	7½	6	589	13	5½	10	2062	11	2	5	3085	5	0½
2	40	18	7	7	192	11	4½	L 1	586	5	9	6	1141	19	7½
3	118	15	5	8	697	16	11½	2	4039	15	9	7	6971	5	0
4	132	1	7½	9	623	18	0	3	3605	16	10½	8	1112	2	5½
5	171	19	9½	10	299	10	0½	4	1243	4	0	9	256	13	9
6	48	6	0	H 1	222	6	5½	5	1854	0	1½	10	986	10	9
7	125	4	6	2	530	2	8	6	727	11	6	Q 1	429	1	3
8	112	18	10½	3	225	4	6	7	2679	0	9½	2	335	7	6
9	54	7	8	4	423	8	2½	8	748	14	3	3	2865	16	2½
10	198	8	5½	5	156	4	11½	9	6654	15	5	4	4013	0	3½
D 1	29	8	7	6	438	19	8½	10	5494	6	9½	5	1266	15	2½
2	60	13	2	7	617	14	9	M 1	3145	1	0	6	1610	13	4
3	116	2	6	8	193	15	8	2	5807	17	8½	7	2385	11	0½
4	132	13	1	9	658	13	10½	3	6764	6	10½	8	571	15	1½
5	66	19	4	10	626	1	6	4	937	4	2	9	4164	13	1½
6	106	18	9½	I 1	172	8	4	5	1516	14	7½	10	3419	10	3
7	249	15	10½	2	315	12	11½	6	5564	11	11	R 1	3945	9	4½
8	220	14	4½	3	350	5	10½	7	1808	12	6	2	4377	8	8
9	101	9	6	4	580	7	10½	8	3807	19	5	3	2321	6	6½
10	158	0	5	5	630	1	9	9	5071	2	0	4	293	14	8
E 1	162	10	7	6	708	11	11½	10	1001	19	1½	5	2133	0	1½
2	296	12	10½	7	601	7	5½	N 1	2019	16	3	6	2525	0	6
3	257	5	0	8	372	3	11½	2	292	8	8½	7	1909	3	3½
4	171	10	4	9	553	2	4	3	313	5	2½	8	1395	7	0
5	122	12	7½	10	658	15	8½	4	402	14	6	9	3676	13	11½

	£	s.	d.		£	s.	d.		£	s.	d.		£	s.	d.
R10	1539	1	4	W7	5007	19	11½	B25	9521	19	3½	G21	14999	2	1½
S1	2453	5	0½	8	7888	11	3	6	17271	12	3	2	30901	14	4
2	2463	4	2½	9	4226	18	10½	7	10470	10	11½	3	47588	18	9
3	179	12	9	10	2146	0	7½	8	27083	4	2	4	20646	11	0½
4	1449	10	2½	X1	0995	16	9½	9	23344	3	4	5	6270	10	1½
5	6176	0	7	2	9184	5	4	10	47940	0	3½	6	3403	11	11
6	204	14	0	3	4247	2	10½	C21	21321	0	6	7	47632	9	10½
7	7368	6	7½	4	2809	1	8½	2	26914	14	9½	8	14194	15	4½
8	624	12	0	5	7359	17	9½	3	38970	3	11½	9	56836	16	0
9	284	3	8	6	6228	2	3	4	54941	2	3½	10	30426	8	3
10	1181	17	3	7	4332	15	11	5	77726	17	5	H21	32242	14	9½
T1	5839	19	11½	8	6979	15	3	6	49568	18	2½	2	21178	4	2
2	3016	1	3	9	8432	3	8½	(Page 104)				3	14668	19	3
3	1368	13	4	10	7869	15	10	7	15444	3	9	4	88473	4	7½
4	7374	6	2½	Y1	2821	11	4½	8	31197	15	6	5	104466	10	4½
5	2121	19	8	2	4287	14	6	9	5435	8	6½	6	58841	6	7½
6	746	3	5½	3	3869	18	2	10	24920	12	0	7	5895	9	2½
7	5376	13	0	4	4294	3	10	D21	30897	13	0	8	64086	8	0
8	3261	10	4½	5	2341	4	4½	2	46506	12	4	9	40193	18	4½
9	6131	17	2½	6	3209	15	4½	3	18671	6	8	10	45978	12	11
10	3701	9	7	7	4935	6	11½	4	11214	11	6	I21	27168	11	5½
U1	3709	17	2½	8	3601	8	6½	5	6051	16	8	2	14439	8	8
2	2419	0	7	9	4264	14	5	6	17682	15	0	3	31709	10	11
3	3080	11	11½	10	7478	8	0	7	28754	6	3	4	9048	19	4
4	4120	1	11	Z1	1117	19	9½	8	56060	11	0	5	51261	13	0
5	6142	16	6½	2	6590	13	0	9	19533	14	2	6	27062	14	1
6	7380	16	10½	3	4439	13	5½	10	38965	3	3	7	157838	7	7½
7	4135	18	9½	4	3365	6	1	E21	16408	1	7½	8	35602	18	5
8	7165	4	4	5	4409	4	8	2	35114	17	6	9	41860	17	6
9	3441	19	4½	6	3374	18	0½	3	83764	8	4½	10	60177	1	1½
10	7174	19	4½	7	4636	7	2	4	17035	6	8	J21	67406	11	7
(Page 103.)				8	3506	18	4½	5	68238	8	5½	2	9494	13	10
V1	3108	4	2½	9	8495	5	3½	6	45071	7	6	3	21440	14	3½
2	2041	4	0	10	5955	2	7½	7	55391	19	8½	4	35945	1	4
3	1419	19	5½	A21	8964	0	0	8	32864	8	6	5	68973	2	9½
4	2757	12	9	2	5574	7	11½	9	25816	5	4½	6	134088	8	10
5	4170	3	1½	3	5940	18	7	10	4303	15	10½	7	26626	1	5½
6	7331	3	8	4	4542	0	7½	F21	31226	0	0	8	82349	19	3½
7	3115	4	1½	5	6414	9	0	2	38252	10	0	9	23592	14	7
8	7750	13	0	6	9641	16	7	3	61883	5	2	10	74955	9	4
9	4188	5	8½	7	6038	10	0	4	50803	18	8½	K21	29279	9	7
10	6207	13	9	8	6834	1	2½	5	27519	5	3½	2	79254	19	11½
W1	2776	8	3	9	12409	12	0	6	10496	6	9	3	79934	9	4
2	8319	7	7½	10	8777	18	9	7	66943	4	1½	4	56125	10	0
3	2050	19	9½	B21	12344	13	10	8	44030	14	0	(Page 105.)			
4	6263	15	6	2	13281	5	5½	9	34682	10	2	5	47581	19	6½
5	4111	6	11½	3	16179	12	6	10	30390	12	10	6	142090	8	10½
6	9246	16	7½	4	6544	1	4½								

	£.	s.	d.		£	s.	d.		£	s.	d.		£	s.	d.
K27	18743	0	11	P25	119	10	2½	U22	1954	7	9	Y10	21061	6	2½
8	79380	8	4	6	20280	2	3½	3	27599	18	8½	Z21	1053	2	8½
9	72046	4	4	7	16569	8	5	4	1997	8	1½	2	31376	4	4
10	107716	8	5½	8	962	14	6½	5	15175	18	5	3	2631	13	7½
L21	134461	19	8	9	1319	11	8½	6	11110	6	6	4	150	7	0½
2	60081	18	0	10	7465	14	0	7	8231	0	7½	5	14052	13	6
3	67616	6	1	Q21	24295	9	5½	8	6988	16	9½	6	28940	0	1
4	25610	5	2	2	3098	16	0½	9	25669	0	7	7	70903	11	9
5	69951	17	6½	3	3744	7	0½	10	98560	17	0	8	822	13	3
6	86247	1	3½	4	79	10	0½	V21	62161	1	10½	(Page 107)			
7	5932	5	1	5	79598	15	1½	2	3171	3	11½	9	3864	6	4½
8	36582	16	9	6	10952	14	7½	3	85	16	3	10	45173	5	7½
9	28900	14	5½	7	175	0	5½	4	808	15	3	A31	10016	7	2½
10	79643	18	9½	8	864	13	5½	5	5057	19	6	2	9290	12	0
M21	50967	2	6	9	10617	8	2½	6	11828	3	10½	3	7129	10	5½
2	52879	2	6½	10	3388	16	0½	7	11315	5	5	4	31462	2	4½
3	58344	19	3½	R21	360	1	7½	8	944	6	5½	5	21785	18	9
4	72347	2	10	2	2923	8	5½	9	4316	12	6½	6	3625	1	0
5	104466	17	8	3	28259	7	6½	10	47120	7	1	7	81	19	7½
6	75061	14	9½	4	1489	16	5½	W21	5971	10	2½	8	108	15	7½
7	55020	9	2	5	10412	19	1½	2	9899	16	2	9	46928	13	9
8	21805	8	9	6	224	2	3½	3	1751	14	8½	10	12011	17	8
9	6569	7	3	7	6442	3	7½	4	71	13	10½	B31	2421	7	3½
10	56720	17	9½	8	31288	19	5½	5	48902	14	4½	2	1809	10	6
N21	50292	2	4½	9	3431	9	7½	6	49503	7	7½	3	5283	4	10
2	28735	16	4	10	32067	2	0½	7	1040	17	6	4	31821	0	5
3	54729	13	6	S21	20641	19	11½	8	56	16	5½	5	3164	7	10½
4	144252	9	8½	2	11787	8	10	9	11706	7	6½	6	24544	15	8½
5	154799	16	3	(Page 106)				10	3457	8	7	7	7332	3	6
6	61110	16	4	3	1792	4	4	X21	9976	3	11	8	806	3	10
7	69244	13	1½	4	2276	1	3	2	307	15	11½	9	6230	17	2
8	86892	19	8½	5	397	1	0½	3	22762	18	9	10	895	4	9½
9	60385	14	8½	6	24928	13	0½	4	18895	13	3	C31	32746	14	6
10	69330	8	0½	7	3139	13	11½	5	588	1	9	2	949	14	3½
O21	26132	19	7½	8	805	12	5	6	62393	3	8	3	99	11	11
2	3745	13	4½	9	34217	3	11	7	1806	4	4½	4	58234	19	4½
3	34024	2	3½	10	4855	7	11½	8	22279	0	5½	5	689	16	4½
4	45467	15	11½	T21	157	14	10½	9	786	14	5½	6	13520	3	3
5	7250	17	8½	2	58820	1	4	10	67276	7	9	7	5514	0	4
6	5111	9	10	3	7178	7	8½	Y21	18353	1	1	8	3041	8	2½
7	8027	12	9½	4	9119	15	8	2	2343	10	8½	9	86	6	3½
8	132	18	5½	5	2798	12	3	3	1443	19	4½	10	29585	1	6
9	3558	15	6½	6	217	9	4½	4	40758	1	4½	D31	11220	18	11½
10	4098	0	9½	7	19466	2	6½	5	4808	19	5½	2	45719	13	4
P21	28433	9	0½	8	10995	8	1½	6	4571	18	8	3	1589	0	1½
2	255	4	10½	9	174	3	9	7	5301	2	7	4	1172	6	8½
3	2821	6	10½	10	16925	15	4½	8	167	14	7½	5	30314	15	10½
4	2289	11	4½	U21	31200	8	3	9	12984	12	6½	6	1130	13	6½

£ s. d.				£ s. d.				£ s. d.				£ s. d.			
D37	14109	11	1	E39	2508	15	1½	G31	49414	12	6	H33	1683	1	5½
8	22360	6	6	10	2217	7	5½	2	13442	18	0	4	149	14	8½
9	14745	14	7½	F31	142	3	3	3	2516	18	0½	5	12356	11	6
10	56634	9	9	2	21407	18	7½	4	377	6	5½	6	8321	13	8½
E31	1466	9	6½	3	27172	10	8	5	32804	9	10	(Page 108.)			
2	119	1	10½	4	2832	5	0½	6	3762	9	4	7	6026	2	
3	3334	7	5	5	37716	12	8	7	32444	12	10	8	43279	9	10
4	74758	3	7	6	2003	13	4	8	59655	11	4	9	30230	6	9
5	2775	6	8	7	7739	7	6	9	1059	3	7½	10	52981	7	2
6	118	15	5½	8	13482	8	4	10	2774	4	9½	I31	5070	11	7½
7	37111	13	0	9	3334	5	11½	H31	38471	2	11½	2	1843	2	5½
8	30551	10	0	10	49886	1	0	2	33036	3	10				
£ s. d.				£ s. d.				£ s. d.				£ s. d.			
I33	16756	8	9½	L38	2774	4	1½	P33	6942	2	9½				
4	4088	7	3½	9	1035	15	4	4	46287	15	9½				
5	132	18	11½	10	43898	6	1½	(Page 109.)							
6	5668	19	10½	M31	8239	15	3½	5	3959	9	7½				
7	1621	7	0½	2	6018	8	3½	6	12864	12	6½				
8	13986	2	8½	3	16809	3	11½	7	15950	10	11½				
9	7102	1	9½	4	5615	0	11½	8	4183	13	2½				
10	3277	10	3½	5	196	18	1½	9	6559	12	6½				
J31	118	7	2½	6	15560	19	6½	10	59933	1	3½				
2	8074	15	5½	7	74962	19	3½	Q31	3768	14	11½				
3	7584	16	5½	8	2069	3	3½	2	14588	13	5½				
4	26516	14	10½	9	635	8	5½	3	2676	1	4½				
5	2249	1	10½	10	13412	17	8½	4	770	9	0½				
6	2355	6	1½	N31	9564	2	0	5	1761	4	10½				
7	13352	14	1	2	3470	13	3½	6	16568	3	2½				
8	16074	18	3½	3	1216	19	10½	7	9548	5	10½				
9	169	3	2½	4	9396	1	8½	8	2733	8	2½				
10	27418	13	5½	5	40969	3	11½	9	54479	7	9½				
K31	15907	1	10½	6	3618	19	3½	10	1737	15	5½				
2	24524	3	8½	7	6980	3	4½	R31	13160	4	2½				
3	20555	15	0½	8	32657	13	4½	2	9619	8	4½				
4	629	17	5½	9	2439	4	1½	3	3091	8	6½				
5	212	4	4½	10	38974	12	3½	4	30649	9	1½				
6	8201	9	6½	O31	27202	7	10½	5	14638	16	6½				
7	2441	7	11½	2	9125	3	2½	6	6564	13	11½				
8	25609	2	6½	3	681	8	10½	7	1870	9	10½				
9	3363	14	10½	4	266	19	1½	8	9604	3	7½				
10	508	2	3½	5	8256	17	11½	9	14394	11	10				
L31	271	6	2½	6	10755	10	11½	10	19204	6	4½				
2	13689	8	4½	7	5810	11	8½	S31	71	4	2½				
3	10954	17	11½	8	10884	14	0½	2	191	12	3½				
4	1627	11	0½	9	13404	19	3½	3	489	5	0				
5	1784	8	6½	10	2775	16	5½	4	603	10	10½				
6	3873	17	10½	P31	2862	7	6½	5	926	18	11½				
7	6746	11	7½	2	9710	15	7½	6	1682	0	10½				

	£	s.	d.
S37	1412	2	8 $\frac{1}{2}$
8	1772	8	5 $\frac{1}{2}$
9	598	10	6 $\frac{1}{2}$
10	1654	14	11 $\frac{1}{2}$
T31	737	7	7 $\frac{1}{2}$
2	135	4	9 $\frac{1}{2}$
3	1516	11	2 $\frac{1}{2}$
4	2383	17	11 $\frac{1}{2}$
5	110	13	11 $\frac{1}{2}$
6	3599	16	11 $\frac{1}{2}$
7	1850	2	10 $\frac{1}{2}$
8	8637	7	11 $\frac{9}{10}$
9	3382	1	10 $\frac{1}{2}$
10	8223	2	5 $\frac{1}{2}$
U31	13657	16	0
2	2418	6	10 $\frac{1}{2}$
3	7253	13	6 $\frac{1}{2}$
4	6050	18	6 $\frac{1}{2}$
5	7061	6	3 $\frac{1}{2}$
6	18475	4	2 $\frac{1}{2}$
7	2905	8	4
8	3117	8	7 $\frac{1}{2}$
9	13657	5	2 $\frac{1}{2}$
10	1133	2	5 $\frac{1}{2}$
V31	19384	16	10 $\frac{1}{2}$
2	12478	8	5 $\frac{1}{2}$
3	6728	3	9 $\frac{1}{2}$
4	944	18	11 $\frac{1}{2}$
5	1997	11	1 $\frac{1}{2}$
6	39217	2	1 $\frac{1}{2}$
7	840	9	11 $\frac{1}{2}$
8	2627	13	0 $\frac{1}{2}$
9	9184	18	3 $\frac{1}{2}$
10	3068	4	6 $\frac{1}{2}$
W31	20261	14	1 $\frac{1}{2}$
2	6813	12	9 $\frac{1}{2}$
3	1617	13	9 $\frac{1}{2}$
4	6274	14	2 $\frac{1}{2}$
5	1560	14	1 $\frac{1}{2}$
6	3576	13	5 $\frac{1}{2}$
7	25168	18	0
8	3436	4	6 $\frac{1}{2}$
9	20318	12	7 $\frac{1}{2}$
10	3054	7	1 $\frac{1}{2}$
X31	24794	18	8 $\frac{1}{2}$
2	1614	11	11 $\frac{1}{2}$
(Page 110.)			
3	9418	14	7 $\frac{1}{2}$

	£	s.	d.
X34	22108	16	2 $\frac{1}{2}$
5	12514	15	8 $\frac{1}{2}$
6	3054	19	6 $\frac{1}{2}$
7	232	4	11 $\frac{1}{2}$
8	12560	18	11 $\frac{1}{2}$
9	6955	5	5 $\frac{1}{2}$
10	2816	5	0 $\frac{1}{2}$
Y31	11608	18	1 $\frac{1}{2}$
2	14888	13	8 $\frac{1}{2}$
3	2561	0	6 $\frac{1}{2}$
4	3075	13	11
5	1062	15	4 $\frac{1}{2}$
6	21510	7	6 $\frac{1}{2}$
7	1284	2	0 $\frac{1}{2}$
8	1171	16	4 $\frac{1}{2}$
9	3721	8	11 $\frac{1}{2}$
10	9011	18	2 $\frac{1}{2}$
Z31	32587	19	0 $\frac{1}{2}$
2	3122	19	11 $\frac{1}{2}$
3	777	0	0 $\frac{1}{2}$
4	616	1	7 $\frac{1}{2}$
5	11085	11	4 $\frac{1}{2}$
6	8520	16	9 $\frac{1}{2}$
7	1350	13	8 $\frac{1}{2}$
8	147	14	0 $\frac{1}{2}$
9	41217	11	0 $\frac{1}{2}$
10	4810	0	9 $\frac{1}{2}$
A41	36300	4	11 $\frac{1}{2}$
2	3967	18	5 $\frac{1}{2}$
3	3026	14	11 $\frac{1}{2}$
4	9311	2	6 $\frac{1}{2}$
5	36055	0	1
6	2739	18	7 $\frac{1}{2}$
7	43417	19	3 $\frac{1}{2}$
8	9789	13	1 $\frac{1}{2}$
9	1448	9	7 $\frac{1}{2}$
10	1539	1	9 $\frac{1}{2}$
B41	20573	7	4
2	4240	15	10 $\frac{1}{2}$
3	2171	8	6 $\frac{1}{2}$
4	8426	9	7 $\frac{1}{2}$
5	14727	12	2 $\frac{1}{2}$
6	6155	7	4 $\frac{1}{2}$
7	684	0	11 $\frac{1}{2}$
8	5489	2	0 $\frac{1}{2}$
9	952	15	7 $\frac{1}{2}$
10	24336	10	5 $\frac{1}{2}$

	£	s.	d.
C41	2	9	4 $\frac{1}{2}$
2	4	1	4 $\frac{1}{2}$
3	0	15	7 $\frac{1}{2}$
4	54	9	4 $\frac{1}{2}$
5	85	6	0
6	12	13	0 $\frac{1}{2}$
7	9	5	8 $\frac{1}{2}$
8	9	9	11 $\frac{1}{2}$
9	4	3	0 $\frac{1}{2}$
10	23	19	8 $\frac{1}{2}$
D41	1	2	3 $\frac{1}{2}$
2	0	3	4 $\frac{1}{2}$
3	0	14	8 $\frac{1}{2}$
(Page 111.)			
4	0	1	4 $\frac{1}{2}$
5	0	9	0 $\frac{1}{2}$
6	0	11	7 $\frac{1}{2}$
7	0	3	0 $\frac{1}{2}$
8	1	10	9 $\frac{1}{2}$
9	1	19	1 $\frac{1}{2}$
10	0	3	2 $\frac{1}{2}$
E41	67	5	6 $\frac{1}{2}$
2	3	8	6 $\frac{1}{2}$
3	15	1	7 $\frac{1}{2}$
4	13	15	3 $\frac{1}{2}$
5	1	1	5 $\frac{1}{2}$
6	0	5	8 $\frac{1}{2}$
7	5	5	10 $\frac{1}{2}$
8	6	10	5 $\frac{1}{2}$
9	3	13	10 $\frac{1}{2}$
10	0	10	5 $\frac{1}{2}$
F41	20	11	6 $\frac{1}{2}$
2	7	19	6 $\frac{1}{2}$
3	25	4	1 $\frac{1}{2}$
4	15	8	9 $\frac{1}{2}$
5	40	0	1 $\frac{1}{2}$
6	20	4	10 $\frac{1}{2}$
7	0	12	11 $\frac{1}{2}$
8	0	2	2 $\frac{1}{2}$
9	5	9	3 $\frac{1}{2}$
10	25	2	5 $\frac{1}{2}$
G41	4	2	0 $\frac{1}{2}$
2	3	14	2
3	4	12	10 $\frac{1}{2}$
4	1	8	0 $\frac{1}{2}$
5	3	18	11 $\frac{1}{2}$
6	11	6	11 $\frac{1}{2}$
7	15	6	4 $\frac{1}{2}$

	£.	s.	d.
G48	82	2	4 $\frac{1}{2}$
9	25	3	5 $\frac{1}{2}$
10	22	19	7 $\frac{1}{2}$
(Page 112.)			
H41	11	0	10 $\frac{1}{2}$
2	13	17	8 $\frac{1}{2}$
3	22	3	5 $\frac{1}{2}$
4	30	7	1 $\frac{1}{2}$
5	24	1	1 $\frac{1}{2}$
6	15	11	0 $\frac{1}{2}$
7	51	10	5 $\frac{1}{2}$
8	33	1	3 $\frac{1}{2}$
9	25	15	3 $\frac{1}{2}$
10	33	15	3 $\frac{1}{2}$
I41	23	9	4 $\frac{1}{2}$
2	30	8	5 $\frac{1}{2}$
3	15	17	2 $\frac{1}{2}$
4	11	4	11 $\frac{1}{2}$
5	13	12	10 $\frac{1}{2}$
6	23	19	3 $\frac{1}{2}$
7	41	7	2 $\frac{1}{2}$
8	32	16	5 $\frac{1}{2}$
9	51	11	8 $\frac{1}{2}$
10	40	10	2 $\frac{1}{2}$
J41	11	6	8 $\frac{1}{2}$
2	25	9	2 $\frac{1}{2}$
3	6	8	11 $\frac{1}{2}$
4	4	2	8 $\frac{1}{2}$
5	20	13	3
6	6	18	9 $\frac{1}{2}$
7	5	6	5 $\frac{1}{2}$
8	23	11	9 $\frac{1}{2}$
9	24	9	11 $\frac{1}{2}$
10	24	10	5 $\frac{1}{2}$
K41	16	0	1
2	19	5	7 $\frac{1}{2}$
3	40	13	5 $\frac{1}{2}$
4	19	1	2 $\frac{1}{2}$
5	53	15	5 $\frac{1}{2}$
6	07	12	2
(Page 113.)			
7	29	6	9 $\frac{1}{2}$
8	29	9	4 $\frac{1}{2}$
9	50	6	11 $\frac{1}{2}$
10	41	12	10 $\frac{1}{2}$
L41	27	15	6 $\frac{1}{2}$
2	104	2	7 $\frac{1}{2}$
3	74	12	3 $\frac{1}{2}$

	£.	s.	d.
L41	2	3	5 $\frac{1}{2}$
5	70	15	9 $\frac{1}{2}$
6	62	4	8 $\frac{1}{2}$
7	1	0	3 $\frac{1}{2}$
8	22	8	8 $\frac{1}{2}$
9	66	3	1 $\frac{1}{2}$
10	176	9	2 $\frac{1}{2}$
M41	61	15	7 $\frac{1}{2}$
2	49	9	4
3	122	8	7 $\frac{1}{2}$
4	187	10	11 $\frac{1}{2}$
5	169	7	5 $\frac{1}{2}$
6	411	12	0 $\frac{1}{2}$
7	377	1	0 $\frac{1}{2}$
8	1234	7	5 $\frac{1}{2}$
9	11	3	5 $\frac{1}{2}$
10	22	4	4 $\frac{1}{2}$
N41	284	7	7 $\frac{1}{2}$
2	348	10	11 $\frac{1}{2}$
3	117	17	5 $\frac{1}{2}$
4	586	4	8 $\frac{1}{2}$
5	474	14	0 $\frac{1}{2}$
6	2	6	10 $\frac{1}{2}$
7	169	18	9 $\frac{1}{2}$
8	91	4	9 $\frac{1}{2}$
9	60	6	2 $\frac{1}{2}$
10	63	10	2 $\frac{1}{2}$
O41	46	4	10 $\frac{1}{2}$
2	18	7	10 $\frac{1}{2}$
(Page 114.)			
3	54	13	9
4	52	9	9 $\frac{1}{2}$
5	146	18	11 $\frac{1}{2}$
6	137	7	6 $\frac{1}{2}$
7	128	8	8 $\frac{1}{2}$
8	96	5	1 $\frac{1}{2}$
9	146	19	7 $\frac{1}{2}$
10	190	14	11 $\frac{1}{2}$
P41	73	13	0 $\frac{1}{2}$
2	66	18	10 $\frac{1}{2}$
3	103	2	9 $\frac{1}{2}$
4	209	11	5 $\frac{1}{2}$
5	164	19	9 $\frac{1}{2}$
6	106	9	11 $\frac{1}{2}$
7	238	15	11 $\frac{1}{2}$
8	132	1	1 $\frac{1}{2}$
9	177	7	3 $\frac{1}{2}$
10	242	6	11 $\frac{1}{2}$

	£.	s.	d.
Q41	17	0	1 $\frac{1}{2}$
2	43	3	7 $\frac{1}{2}$
3	51	16	10 $\frac{1}{2}$
4	43	15	8 $\frac{1}{2}$
5	27	12	6
6	14	3	4 $\frac{1}{2}$
7	18	14	9 $\frac{1}{2}$
8	46	5	4 $\frac{1}{2}$
9	30	17	5 $\frac{1}{2}$
10	66	2	6 $\frac{1}{2}$
R41	51	5	11 $\frac{1}{2}$
2	77	18	11
3	193	11	8 $\frac{1}{2}$
4	10	9	10 $\frac{1}{2}$
5	4	4	11 $\frac{1}{2}$
6	8	17	11 $\frac{1}{2}$
7	42	0	7 $\frac{1}{2}$
8	128	9	10 $\frac{1}{2}$
9	3	18	5 $\frac{1}{2}$
(Page 115.)			
10	6	3	1 $\frac{1}{2}$
S41	598	16	11
2	316	12	11 $\frac{1}{2}$
3	62	10	9 $\frac{1}{2}$
4	7	10	10 $\frac{1}{2}$
5	132	17	8 $\frac{1}{2}$
6	152	13	5 $\frac{1}{2}$
7	7	18	7 $\frac{1}{2}$
8	44	2	0 $\frac{1}{2}$
9	87	10	4 $\frac{1}{2}$
10	84	0	5 $\frac{1}{2}$
T41	13	8	10 $\frac{1}{2}$
2	3	13	9 $\frac{1}{2}$
3	15	6	2 $\frac{1}{2}$
4	48	4	5 $\frac{1}{2}$
5	2	0	2 $\frac{1}{2}$
6	8	4	5 $\frac{1}{2}$
7	23	16	0 $\frac{1}{2}$
8	30	6	9 $\frac{1}{2}$
9	12	5	3 $\frac{1}{2}$
10	36	5	7 $\frac{1}{2}$
U41	18	18	0 $\frac{1}{2}$
2	56	8	4 $\frac{1}{2}$
3	3	8	7 $\frac{1}{2}$
4	152	16	3 $\frac{1}{2}$
5	4	8	9 $\frac{1}{2}$
6	44	12	4 $\frac{1}{2}$
7	4	11	9 $\frac{1}{2}$

	£.	s.	d.
U48	7	13	3 1/2
9	5	7	2 1/2
10	8	10	8 1/2
V41	113	19	6 1/2
2	240	5	5 1/2
3	1167	11	7 1/2
4	144	4	0 1/2
(Page 116.)			
5	71	9	9 1/2
6	38	9	4 1/2
7	36	9	2 1/2
8	73	17	4 1/2
9	50	6	10 1/2
10	49	5	1 1/2
W41	7	15	1 1/2
2	11	14	4 1/2
3	11	15	5 1/2
4	33	11	6 1/2
5	23	7	7 1/2
6	8	15	9 1/2
7	6	10	9 1/2
8	9	10	10 1/2
9	6	18	8 1/2
10	7	11	0 1/2
X41	100	5	11 1/2
2	114	5	7 1/2
3	134	8	8 1/2
4	67	18	8 1/2
5	55	18	0
6	347	12	3 1/2
7	139	13	3 1/2
8	48	4	11 1/2
9	176	4	0 1/2
10	177	2	4 1/2
Y41	41	12	7 1/2
2	262	11	8 1/2
3	367	0	3 1/2
4	300	5	11 1/2
5	339	19	8 1/2
6	387	1	9 1/2
7	520	10	8 1/2
8	726	7	3 1/2
9	1053	0	10 1/2
10	1132	11	9 1/2
(Page 117.)			
Z41	63	0	6 1/2
2	158	3	4 1/2

	£.	s.	d.
Z43	162	8	11 1/2
4	218	12	7 1/2
5	59	15	4 1/2
6	70	7	2 1/2
7	72	7	5 1/2
8	248	6	11 1/2
9	315	12	7 1/2
10	326	9	11 1/2
A51	31	9	5 1/2
2	19	13	4 1/2
3	29	13	0 1/2
4	49	2	11 1/2
5	76	2	6
6	91	10	10
7	62	1	6 1/2
8	96	16	3 1/2
9	91	5	5 1/2
10	80	12	4 1/2
B51	0	18	2 1/2
2	0	12	5 1/2
3	0	8	0 1/2
4	1	15	5 1/2
5	0	13	11 1/2
6	0	6	3 1/2
7	1	0	2 1/2
8	1	10	11 1/2
9	2	14	3 1/2
10	1	7	6 1/2
C51	19	12	10 1/2
2	68	0	0 1/2
3	38	15	1 1/2
4	19	12	4 1/2
(Page 118.)			
5	28	13	7 1/2
6	82	15	8 1/2
7	74	6	7 1/2
8	58	1	8 1/2
9	70	12	8 1/2
10	132	19	9 1/2
D51	218	2	7 1/2
2	270	3	11 1/2
3	344	10	9 1/2
4	418	8	6 1/2
5	499	13	1 1/2
6	596	4	11 1/2
7	602	2	2 1/2
8	767	3	5

	£.	s.	d.
D59	898	3	9
10	1220	18	0 1/2
E51	131	3	6
2	62	19	3 1/2
3	109	8	1 1/2
4	145	15	2 1/2
5	111	14	2 1/2
6	131	12	11 1/2
7	156	6	1 1/2
8	67	3	1 1/2
9	82	14	6 1/2
10	171	17	9 1/2
F51	25	18	8 1/2
2	37	17	6 1/2
3	42	0	5 1/2
4	48	16	10 1/2
5	57	18	0 1/2
6	62	12	8 1/2
7	78	4	0 1/2
8	111	2	4 1/2
9	179	4	4 1/2
10	218	14	4 1/2
(Page 119)			
G51	15	3	7 1/2
2	26	0	4 1/2
3	40	0	9 1/2
4	50	0	4 1/2
5	74	10	0 1/2
6	98	17	1 1/2
7	125	19	6 1/2
8	157	12	3 1/2
9	176	3	4 1/2
10	205	18	3 1/2
H51	12	4	8 1/2
2	12	12	7 1/2
3	16	5	11 1/2
4	26	1	5 1/2
5	39	13	9 1/2
6	52	5	8 1/2
7	77	10	2 1/2
8	91	15	6 1/2
9	103	10	2 1/2
10	110	0	0 1/2
I51	86	8	5 1/2
2	96	9	6 1/2
3	50	5	5
4	74	5	8 1/2

	£.	s.	d.
I 5 5	154	0	7½
6	137	10	8½
7	15	0	9½
8	160	9	3
9	131	3	8
10	10	10	6½
J 5 1	6	9	5½
2	5	18	3½
3	5	10	8½
4	7	19	7½
(Page 120.)			
5	13	6	6½
6	13	3	9½
7	19	11	7½
8	28	12	0½
9	38	0	9½
10	40	11	0½
K 5 1	6	3	0½
2	7	10	10½
3	9	13	8
4	10	14	6½
5	13	6	1½
6	16	5	3½

	£.	s.	d.
K 5 7	20	17	8½
8	30	0	6½
9	34	1	8½
10	37	8	1½
L 5 1	65	7	8½
2	96	7	8½
3	137	17	1½
4	181	16	6½
5	220	15	9½
6	262	6	1½
7	366	19	6½
8	460	9	7½
9	554	8	7½
10	698	11	6½
M 5 1	65	4	3½
2	99	12	6½
3	150	16	5½
4	210	11	5½
5	279	0	11½
6	14	11	8½
7	32	2	10½
8	38	16	3½
9	57	16	10½

	£.	s.	d.
M 5 10	75	11	4½
(Page 121.)			
N 5 1	176	17	7½
2	304	18	9
3	468	18	10½
4	541	19	3
5	705	16	4½
6	508	19	0½
7	614	17	1½
8	817	6	7½
9	995	3	10½
10	1165	9	4½
O 5 1	1	15	10½
2	10	5	8½
3	18	1	7½
4	25	3	10½
5	34	6	10½
6	42	6	7½
7	51	16	3½
8	78	13	6½
9	80	15	1½
10	87	9	10½

## MISCELLANEOUS EXAMPLES. (Page 121.)

	£.	s.	d.
A 1	1174	13	2½
2	2175	6	6½
3	2217	6	10½
4	28	17	4½
5	190	3	5½
6	7	0	5½
7	70	11	7½
8	108	10	6½
(Page 122.)			
9	108	12	7½
10	56	4	10½
B 1	2390	12	8½ and
	2108	18	6
2	37	10	9½
3	131	9	8½
4	1464	12	4½
5	37	15	5½
6	13095	8	2
7	8	4	5½
8	144	10	7½
9	14	17	11
10	25	1	8

	£.	s.	d.
C 1	6994	4	3½
2	25	11	5½
3	1255	6	8½
4	402	13	2½
5	36	6	2½
6	7756	11	6½
7	666	18	2½
8	75	19	7½
9	100	1	6½
10	26	0	5½
(Page 123.)			
D 1	9	13	9½ to B
2	483	10	0½
3	1738	10	4½
4	374	9	1
5	86	2	8
6	299	2	0½
7	20	13	3
8	108	18	9½
9	931	17	6
10	680a, 1ro. 24per.		

	£.	s.	d.
E 1	112	6	0½
2	30	17	9½
3	9590	2	0½
4	112	3	6
5	30	13	6½
6	129	15	4½
7	285	15	6½
8	571	0	0
9	83	17	9½
10	40	3	9½
(Page 124.)			
F 1	2388	13	5½
2	8	9	0½
3	547	18	4
4	17	15	3½
5	1670	18	7½
6	1290	18	9
7	85	7	4½
8	143	9	8½
9	680	2	3½
10	242	14	2



£.	s.	d.	£.	s.	d.	£.	s.	d.				
G 1	1474	5	7½	H 4	8	2	7½	I 7	161	16	5½	
2	31	17	6¾	5	11	5	5¾	8	27	13	0	
3	243lbs.	1oz.	19dwts.	9gr.	6	1065	19	7½	9	1	15	2¼
4	3223ft.	9in.	6pa.	7	7	9	4½	10	10	7	2½	
£.	s.	d.	8	50	3	9	(Page 125.)	J 1	7038	17	11¼	
5	574	17	6	9	31	7	7½	2	2645	2	3¾	
6	54	9	1¾	10	34	0	10⅞	3	101	16	5½	
7	90	7	0	I 1	66	9	0½	4	13758	12	5½	
8	45	19	6¾	2	59	1	1¾	5	176	17	2	
9	79	16	8¾	3	27	4	7½	6	8	5	2¾	
10	10304	15	8¾	4	61	11	9½	7	56	19	8⅞	
H 1	951	5	7½	5	73	2	2½	8	6590	16	6¾	
2	8613	19	3	6	251	5	7½	9	5	3	11¼	
3	901	13	8¼					10	173	1	3	

## PROPORTION. (Page 126.)

### No. 17.

A 1	0l. 15s. 0d.	C 9	285 men	F 7	105 yards,	(Page 130.)	
2	2l. 12s. 2½d.	10	7l. 19s. 6d.		3l. 3s. 5½d. cost	I 3	451l. 17s. 0d.
3	19l. 7s. 6d.	D 1	29cwt. 0qr. 7lbs.	8	2l. 7s. 6d.	4	8l. 0s. 5¾d.
4	18l. 10s. 5d.	2	62l. 14s. 3d.	9	132l. 6s. 0d.	5	231l. 8s. 6¾d.
5	4l. 11s. 8d.	3	15 casks	10	5 miles	6	2cwt. 2qrs. 22½lb.
6	20l. 18s. 6d.	4	36 tons	G 1	227l. 5s. 5½d.	7	2s. 6½d.
7	9l. 4s. 0d.	5	1l. 19s. 4½d.	2	1l. 1s. 8¾d.	8	595l. 18s. 6¾d.
8	0l. 3s. 11¼d.	6	7cwt. 1qr. 12lbs	3	18s. 10¾d.	9	9ly. 1qr. 2¾n.
9	12l. 1s. 6d.	7	7s. 6d. in the £.	(Page 129.)		10	248l. 7s. 1½d.
10	1l. 12s. 8d.	8	833l. 6s. 8d.	4	1440l. 12s. 1¾d.	J 1	4l. 19s. 2½d.
B 1	50 yards	9	81 yards	5	7d. in the £.	2	1l. 2s. 5¾d.
2	40lbs.	10	16l. 5s. 2½d.	6	364yds. 3¾qrs.	3	525l. 12s. 5¾d.
3	11l. 9s. 9d.	E 1	1s. 8d. in the £.	7	18s. 6¾d.	4	34 yards; cost
4	0l. 13s. 7¼d.	2	22l. 13s. 0d.	8	20l. 14s. 1d.		9l. 15s. 6d.
5	507 yards	3	144l. 7s. 6d.	9	952l. 18s. 7¼d.	5	604l. 3s. 0¼d.
6	19l. 2s. 1d.	4	8 months	10	1l. 8s. 4¼d.	6	11 cwt. 2 qrs.
7	19 months	5	24l.	H 1	216 yards		12¾lbs.
8	5l. 19s. 3d.	(Page 128.)		2	9oz. 1¼drs.	7	43l. 2s. 9¾d.
9	76l. 19s. 4½d.	6	174l. 8s. 4d.	3	1248lbs.	8	2l. 11s. 3¾d.
10	28l. 0s. 7½d.	7	66 acres	4	4s. 3½d.	9	78l. 7s. 11¼d.
C 1	11l. 1s. 3d.	8	4l. 4s. 4½d.	5	10s. 0¾d.	10	31½ feet
2	33 yards	9	500 yards	6	107l. 14s. 2d.	(Page 131.)	
3	105lbs.	10	33 pieces	7	83½ yards	K 1	4lbs. 4oz. 9½drs.
4	32 yards	F 1	320lbs.	8	15yds. 2⅞ft.	2	143l. 7s. 10½d.
5	724l. 17s. 6d.	2	9s. 4d.	9	52yds. 0½ft.	3	746l. 18s. 10¾d.
(Page 127.)		3	35l. 16s. 8d.	10	219l. 10s. 3¼d.	4	50l. 17s. 10¾d.
6	5l. 4s. 0d.	4	11cwt. 0qr. 13lbs.	I 1	654l. 16s. 11½d.	5	34 cwt. 20 lbs.
7	93yds. 3qrs.	5	160 gallons	2	1019⅞ yards.		9¾oz.
8	187l. 13s. 4¾d.	6	68 yards				

K 6	13 pockets and 94 $\frac{1}{2}$ lbs.	O 2	150 cwt. 3 qrs. 0 $\frac{1}{2}$ lbs.	R 7	7cwt. 1qr. 12lb. 8 18l. 6s. 0d.	V 5	9l. 11s. 4d. 6 47 $\frac{1}{2}$ lbs.
7	1l. 3s. 1 $\frac{1}{2}$ d.	3	20 English ells 3 $\frac{1}{2}$ qrs.	9	237l. 5s. 7 $\frac{1}{2}$ d.		(Page 137.)
8	16s. 4d.		(Page 133.)	10	6s. 3 $\frac{1}{2}$ d.	7	14l. 8s. 5 $\frac{1}{2}$ d.
9	57l. 6s. 0 $\frac{1}{2}$ d.	4	34 days 7 $\frac{1}{2}$ hrs.	S 1	38 $\frac{1}{2}$ inches	8	16 $\frac{1}{2}$ inches
10	159l. 19s. 2 $\frac{1}{2}$ s.	5	50 feet	2	115ft. 10 $\frac{1}{2}$ in.	9	45l. 9s. 4d.
L 1	80l. 15s. 4 $\frac{1}{2}$ d.	6	4l. 14s. 8d.		(Page 135.)	10	334l. 8s. 10 $\frac{1}{2}$ d.
2	10l. 4s. 5 $\frac{1}{2}$ d.	7	12 months	3	6 pence	W 1	1 m. 866 yds.
3	1l. 6s. 5 $\frac{1}{2}$ d.	8	35 tons 12cwt.	4	1l. 0s. 3d.		1 $\frac{1}{2}$ ft.
4	3l. 4s. 8 $\frac{1}{2}$ d.	9	625 pieces	5	15s. 8 $\frac{1}{2}$ d.	2	99l. 10s. 0d.
5	20l Eng. ells 3 qrs. 1 $\frac{1}{2}$ n.	10	2168l. 8s. 0d.	6	154a. 1r. 10 $\frac{1}{2}$ sp.	3	1h. 14m. 7 $\frac{1}{2}$ s.
6	99 cwt. 2 qrs. 24 $\frac{1}{2}$ lbs.	P 1	1l. 10s. 4d.	7	233 $\frac{1}{2}$ gallons	4	10l. 1s. 0d.
7	142l. 18s. 8 $\frac{1}{2}$ d.	2	96 $\frac{1}{2}$ yards	8	33l. 16s. 3 $\frac{1}{2}$ d.	5	194 $\frac{1}{2}$ feet
8	436 $\frac{1}{2}$ l. 1 $\frac{1}{2}$ gals	3	9l. 10s. 0d.	9	417l. 4s. 4 $\frac{1}{2}$ s.	6	100 $\frac{1}{2}$ yards
9	88l. 16s. 1 $\frac{1}{2}$ d.	4	207l. 14s. 2d.	10	21 gallons	7	6l. 8s. 4d.
10	345l. 15s. 3 $\frac{1}{2}$ d.	5	64 English ells	T 1	39l. 10s. 10d.	8	9l. 7s. 6d.
M 1	9 $\frac{1}{2}$ days	6	114 yards 3 qrs.	2	190 yards	9	29l. 15s. 8 $\frac{1}{2}$ s.
2	206 yds. 2 $\frac{1}{2}$ qrs	7	3 $\frac{1}{2}$ d.	3	1l. 3s. 9d.	10	7l. 3s. 6d.
3	53 $\frac{1}{2}$ lbs.	8	646l.	4	11 $\frac{1}{2}$ lbs.	X 1	350l. 16s. 0d.
	(Page 132.)	9	6l. 2s. 4 $\frac{1}{2}$ d.	5	17 $\frac{1}{2}$ pieces	2	170l. 12s. 2 $\frac{1}{2}$ d.
4	53l. 11s. 9 $\frac{1}{2}$ d.	10	214l. 11s. 5 $\frac{1}{2}$ d.	6	90l. 1s. 8d.	3	1l. 7s. 0 $\frac{1}{2}$ d.
5	197l. 13s. 0 $\frac{1}{2}$ d.	Q 1	12 $\frac{1}{2}$ hours	7	15l.	4	7l. 3s. 8 $\frac{1}{2}$ d.
6	53l. 8s. 8 $\frac{1}{2}$ d.	2	967l. 14s. 4 $\frac{1}{2}$ d.		(Page 136.)		(Page 138.)
7	48l. 3s. 8d.		(Page 134)	8	1l. 4s. 9d.	5	24 $\frac{1}{2}$ yards
8	4l. 2s. 5 $\frac{1}{2}$ d.	3	4460l. 13s. 4d.	9	32l. 8s. 8 $\frac{1}{2}$ d.	6	410l. 12s. 6d.
9	62 cwt. 0 qrs. 23 $\frac{1}{2}$ lbs. 3 $\frac{1}{2}$ q	4	31 $\frac{1}{2}$ yds.; cost 7l. 4s. 8 $\frac{1}{2}$ d.	10	12s. 6d. in the £; 172l. 17s. 2 $\frac{1}{2}$ d.	7	11l. 6s. 10 $\frac{1}{2}$ d.
10	21l. 16s. 9 $\frac{1}{2}$ d.	5	60 yards	U 1	66l. 16s. 6 $\frac{1}{2}$ s.	8	221l. 2s. 6d.
N 1	6 miles 300 yds	6	10 $\frac{1}{2}$ d.	2	29l. 15s. 8 $\frac{1}{2}$ d.	9	1800l.
2	3m. 5fur. 20 yds.	7	1s. 2 $\frac{1}{2}$ s.	3	7s. 10 $\frac{1}{2}$ d.	10	15999l. 1s. 3 $\frac{1}{2}$ d.
3	105 sacks	8	47 $\frac{1}{2}$ gallons	4	1l. 1s. 0d.	Y 1	1467 cwt. 2 qrs. 14 $\frac{1}{2}$ lbs.
4	625 men	9	80 dollars	5	1875l.	2	927l. 2s. 8 $\frac{1}{2}$ d.
5	30 days	10	2s. 6d.	6	35 miles	3	762l. 9s. 6 $\frac{1}{2}$ d.
6	3l. 11s. 3 $\frac{1}{2}$ d.	R 1	5452l. 4s. 0d.	7	5 $\frac{1}{2}$ ounces	4	9l. 17s. 1d.
7	40l. 17s. 8 $\frac{1}{2}$ d.	2	63 days	8	14s. 7d.	5	4s. 11 $\frac{1}{2}$ d.
8	36 days	3	108 men	9	308l. 12s. 10 $\frac{1}{2}$ d.	6	31bs. 4 $\frac{1}{2}$ oz.
9	3cwt. 2 qrs. 22lb.	4	26l. 14s. 1d.	10	1840l. & 2520l.	7	6 months
10	3150 coins	5	103 boxes	V 1	55 $\frac{1}{2}$ hours	8	65 $\frac{1}{2}$ yards
O 1	4l. 18s. 11 $\frac{1}{2}$ d.	6	7l. 16s. 3d.	2	18lbs.	9	1l. 3s. 9d.
				3	15 $\frac{1}{2}$ hours	10	7l. 11s. 8d.
				4	2000l.		

SIMPLE INTEREST. (Page 139.)

	£.	s.	d.		£.	s.	d.		£.	s.	d.		£.	s.	d.
A 1	11	15	10	A 6	22	5	6	B 1	261	5	7 $\frac{1}{2}$	B 6	540	4	0
2	12	8	5	7	172	16	9 $\frac{1}{2}$	2	372	15	11 $\frac{1}{2}$	7	1120	13	5 $\frac{1}{2}$
3	18	13	3	8	321	15	3 $\frac{1}{2}$	3	245	9	10 $\frac{1}{2}$	8	1318	10	8 $\frac{1}{2}$
4	15	10	7 $\frac{1}{2}$	9	609	7	1 $\frac{1}{2}$	4	503	16	6 $\frac{1}{2}$	9	3393	14	2 $\frac{1}{2}$
5	7	19	11 $\frac{1}{2}$	10	525	0	0	5	653	5	2 $\frac{1}{2}$	10	2637	8	10 $\frac{1}{2}$

	£.	s.	d.		£.	s.	d.		£.	s.	d.		£.	s.	d.
C 1	312	4	3 $\frac{1}{10}$	F 5	1110	8	0 $\frac{1}{2}$	I 7	1012	14	2 $\frac{3}{4}$	L10	5 $\frac{1}{2}$ per cent.		
2	1121	1	11 $\frac{1}{2}$	(Page 140.)				8	1150	17	1 $\frac{3}{4}$	(Page 142.)			
3	3157	4	4 $\frac{1}{2}$	6	576	2	6 $\frac{3}{4}$	9	1327	13	10 $\frac{1}{4}$	M1	572l. 6s. 4 $\frac{3}{4}$ d.		
4	2082	3	9	7	295	7	6 $\frac{1}{4}$	10	1326	12	9 $\frac{1}{4}$	2	11 $\frac{1}{2}$ per cent.		
5	867	3	2 $\frac{3}{4}$	8	236	13	7 $\frac{1}{4}$	J 1	8 years			3	15 years		
6	474	3	10 $\frac{1}{2}$	9	259	8	0 $\frac{3}{4}$	2	3 $\frac{1}{2}$ years			4	316l. 14s. 1 $\frac{1}{4}$ d.		
7	1402	13	8	10	458	18	1 $\frac{1}{2}$	3	9 years			5	700l.		
8	673	16	6 $\frac{1}{2}$	G1	661	17	3 $\frac{3}{4}$	4	5 $\frac{1}{2}$ years			6	558l. 10s. 0 $\frac{1}{2}$ d.		
9	1151	15	0	2	887	3	10 $\frac{1}{4}$	5	150 days, nearly			7	200l. 12s. 5 $\frac{1}{2}$ d.		
10	2288	16	0	3	1872	3	8 $\frac{1}{2}$	6	4 years			8	8 $\frac{1}{2}$ per cent.		
D 1	41	10	8 $\frac{1}{2}$	4	1213	11	7 $\frac{1}{2}$	7	12 $\frac{1}{2}$ years			9	133l. 18s. 5 $\frac{1}{2}$ d.		
2	164	9	1	5	1187	11	8 $\frac{1}{2}$	8	20 years				1133l. 18s. 5 $\frac{1}{2}$ d.		
3	253	3	2 $\frac{1}{4}$	(Page 140.)				9	7 $\frac{1}{2}$ years			10	30l. 7s. 11 $\frac{1}{2}$ d.		
4	238	6	3 $\frac{1}{2}$	6	632	4	4 $\frac{1}{4}$	10	10 years			N 1	5 $\frac{1}{2}$ years		
5	189	8	7 $\frac{1}{4}$	7	1340	7	7 $\frac{1}{2}$	(Page 141.)				2	562l. 10s. 0d.		
6	125	16	5 $\frac{1}{4}$	8	1062	15	9 $\frac{1}{4}$	K 1	88	4	9 $\frac{1}{4}$	3	4 per cent.		
7	362	14	0 $\frac{1}{2}$	9	945	1	3 $\frac{1}{4}$	2	100	0	0	4	13l. 12s. 4 $\frac{1}{4}$ d.		
8	243	17	11 $\frac{1}{2}$	10	2273	19	4 $\frac{1}{4}$	3	1020	0	0	5	881l. 11s. 7 $\frac{1}{4}$ d.		
9	168	6	6 $\frac{1}{4}$	H 1	33	14	3 $\frac{1}{4}$	4	237	10	0	6	26 $\frac{1}{2}$ years		
10	279	17	10 $\frac{1}{4}$	2	65	12	0	5	631	13	4	7	475l.		
E 1	514	12	10 $\frac{1}{4}$	3	188	10	1 $\frac{1}{2}$	6	1160	8	4	8	4 $\frac{1}{2}$ per cent.		
2	779	19	0 $\frac{1}{2}$	4	278	11	2 $\frac{3}{4}$	7	716	13	4	9	4 $\frac{1}{2}$ per cent.		
3	1185	0	6 $\frac{1}{2}$	5	184	17	10 $\frac{1}{4}$	8	936	13	4	10	814l. 7s. 2 $\frac{1}{4}$ d.		
4	3781	15	5	6	277	6	8 $\frac{1}{4}$	9	1275	0	0	O 1	8 $\frac{1}{2}$ years		
5	951	12	4 $\frac{1}{2}$	7	307	10	5 $\frac{1}{4}$	10	833	6	8	(Page 143.)			
6	819	10	11 $\frac{1}{4}$	8	174	13	0 $\frac{1}{4}$	L 1	4 $\frac{1}{2}$ per cent.			2	1104l. 2s. 9 $\frac{3}{4}$ d.		
7	1167	6	10 $\frac{1}{4}$	9	209	3	0 $\frac{1}{4}$	2	6 per cent.			3	120l. 17s. 11 $\frac{1}{4}$ d.		
8	1454	11	7 $\frac{1}{4}$	10	361	7	5 $\frac{1}{4}$	3	5 $\frac{1}{2}$ per cent.			4	577l. 16s. 0 $\frac{1}{4}$ d.		
9	1926	5	10 $\frac{1}{4}$	I 1	985	0	6 $\frac{1}{4}$	4	3 $\frac{1}{2}$ per cent.			5	230 days		
10	3800	16	11 $\frac{1}{4}$	2	416	8	8 $\frac{1}{4}$	5	19 $\frac{1}{4}$ per cent.			6	3 $\frac{1}{2}$ per cent.		
F 1	66	1	10	3	439	5	9 $\frac{1}{4}$	6	5 per cent.			7	1000l.		
2	170	8	6 $\frac{1}{4}$	4	604	17	1 $\frac{1}{4}$	7	10 per cent.			8	36l. 2s. 5 $\frac{1}{4}$ d.		
3	179	3	10 $\frac{1}{4}$	5	692	15	5 $\frac{1}{4}$	8	4 per cent.			9	12 $\frac{1}{2}$ per cent.		
4	194	16	11 $\frac{1}{4}$	6	1000	12	2 $\frac{1}{4}$	9	7 $\frac{1}{2}$ per cent.			10	5 $\frac{1}{2}$ per cent.		

## COMPOUND INTEREST. (Page 143.)

	£.	s.	d.		£.	s.	d.		£.	s.	d.
A 1	26	5	5	B 1	761	12	6½	C 1	72	16	0 1111111111
2	230	4	8 1¼	2	1005	1	11½	2	579	12	8 11111111
3	195	2	0	3	850	17	1 1¼	3	84	14	2 nearly
4	292	12	9½	4	2024	2	7 111111	(Page 144.)			
5	323	5	2½	5	2475	5	8½	4	942	0	7 11111111
6	138	4	7½	6	1471	15	0½	5	82	6	0 nearly
7	55	7	4 1¼	7	1942	2	11 1111	6	657	6	1 nearly
8	290	19	9 111111	8	1191	4	5½	7	218	19	10½ nearly
9	235	18	1 1111	9	880	13	7 11111	8	1741	2	7½ nearly
10	101	4	11½ nearly	10	2643	14	6 111	9	50	19	5½ nearly
								10	675	16	4½ nearly

£. s. d.	£. s. d.	£. s. d.
D 1 0 10 5	D 8 565 12 6½ nearly	E 4 1627 12 10
2 7 2 1½	9 116 7 10½ nearly	5 1000 0 0
3 3 4 0½	10 9 8 8½ nearly	6 733 6 8
4 498 9 5½ nearly	E 1 150 0 0	7 1922 18 4
5 934 8 4½	2 260 8 4	8 3333 6 8
6 422 9 11½ nearly	(Page 145.)	9 813 16 0½
7 311 9 5½	3 666 13 4	10 10172 10 6½

## ANNUITIES. (Page 145.)

£. s. d.	£. s. d.	£. s. d.
A 1 716 3 8 nearly	A 8 960 19 5½	B 4 483 3 4
2 901 10 11½	9 771 16 6½	5 192 11 7½ nearly
3 1567 17 9½ nearly	10 927 16 10	6 101 2 0½ nearly
4 646 10 4½	(Page 146.)	7 1334 4 1½
5 1343 7 6½	B 1 380 13 6½	8 212 17 1½ nearly
6 947 15 11 nearly	2 1112 19 3½ nearly	9 623 2 2½
7 802 9 5	3 232 1 8 nearly	10 224 18 11½

## FREEHOLDS. (Page 146.)

£. s. d.
A 1 3500 0 0
2 13635 0 0
3 1666 13 4
4 120 0 0
5 302 10 0
6 6½ per cent.
(Page 147.)
7 4½ per cent.
8 18½ years
9 13½ years; 677½
10 7½ per cent.

## LEASES. (Page 147.)

£. s. d.
A 1 650 2 7
2 2386 1 9½
3 1599 1 0
4 210 11 6
5 4347 15 4½
6 126 17 9
7 65 18 7½
8 86 5 2½
9 12 years
10 17½ years

## REVERSIONS. (Page 148.)

£. s. d.
A 1 981 14 11 nearly
2 7106 16 3½
3 5370 18 7
4 1990 4 6 nearly
5 2675 3 5 nearly
6 55 8 3½
7 447 18 11
8 436 11 6 nearly
9 164 4 6½
10 82 19 2

## COMMISSION. (Page 148.)

£. s. d.	£. s. d.	£. s. d.	£. s. d.
A 1 19 13 5½	B 4 3 11 9½	C 6 14 17 3	D 10 38 10 4½
2 32 14 0½	5 8 9 0	7 15 17 11½	E 1 64 2 6
3 31 10 5½	6 22 15 8½	8 5 19 9½	2 814 12 0
(Page 149.)	7 18 18 5½	9 6 5 11½	3 136 13 4
4 71 19 10½	8 21 2 7½	10 7 8 0½	4 588 0 5½ in.
5 15 3 1½	9 31 13 6½	D 1 13 11 5½	19811 19 0½
6 36 0 5½	10 167 14 0	2 9 8 4½	5 2551 19 2
7 72 16 0	(Page 148)	3 5 7 5½	6 124 13 9
8 41 15 4½	C 1 14 3 10½	4 15 15 7½	7 1511 0 9½
9 37 4 2	2 1 13 11½	5 7 15 6½	8 971 5 0
10 19 2 3½	3 23 6 8	6 6 5 1½	(Page 150.)
B 1 24 7 6	(Page 149.)	7 20 15 7½	9 250 3 6½
2 42 4 9	4 4 18 11½	8 15 12 6	10 87 4 9½
3 98 18 7½	5 10 6 1½	9 14 10 5½	

**BROKERAGE.** (*Page 150.*)

£ s. d.				£ s. d.				£ s. d.				£ s. d.			
A 1	61	5	3½	B 4	93	14	6½	C 7	4	17	8½	D 10	6	18	4½
2	53	8	0	5	145	18	8½	8	9	2	7½	E 1	70	5	10½
3	116	13	6½	6	144	0	0	9	20	0	0	2	24	10	0
4	175	0	0	7	49	9	0½	10	20	11	5½	3	58	6	8
5	39	2	8	8	13	11	4½	D 1	31	3	9½	4	5	14	10½
6	63	5	9½	9	19	19	0	2	23	13	4	(Page 151.)			
7	144	3	0½	10	130	11	3	3	6	12	1½	5	9	15	6
8	79	13	9	C 1	1	17	0	4	9	5	2	6	28	7	5½
9	2	13	9½	2	2	9	9½	5	19	19	0½	7	30	2	10½
10	191	15	8½	3	7	17	10½	6	13	5	4½	8	10	6	7½
B 1	25	5	0	4	7	8	5½	7	5	16	1½	9	21	5	0
2	64	8	2½	5	4	16	9½	8	16	5	0	10	7	19	4½
3	31	4	9½	6	12	19	2½	9	21	17	7½				

**INSURANCE.** (*Page 151.*)

	£.	s.	d.		£.	s.	d.		£.	s.	d.		£.	s.	d.
A1	74	5	0	B4	6	8	5½	C7	39	1	3	D9	26	10	0
2	72	17	7½	5	20	9	8½	8	64	6	3	10	94	1	8
3	80	7	1½	6	20	14	1½	9	9	14	3	E1	2751	15	9½
4	28	13	10	7	7	8	6½	(Page 152.)				2	2589	3	4½
5	120	1	10½	8	54	14	3½	10	80	7	0½	3	1846	19	3½
6	63	17	1½	9	7	14	2	D1	10	18	7½	4	774	7	10½
7	92	7	8	10	40	0	4½	2	42	13	9	5	49	14	17½
8	45	1	11½	C1	1	2	6	3	2	11	3	6	71	1	10½
9	25	5	10½	2	2	1	3½	4	8	13	6	7	793	16	11½
10	78	15	10	3	0	15	1½	5	27	8	11½	8	43	1	3½
B1	51	6	8½	4	2	10	9	(Page 153.)				9	24	18	0½
2	1	18	11½	5	78	7	6	7	128	15	0	10	284	17	8½
3	7	7	3½	6	93	12	6	8	3	15	0				

**DISCOUNT.** (*Page 153.*)

Discount.				Ready Money.				Discount.				Ready Money.			
£. s. d.				£. s. d.				£. s. d.				£. s. d.			
A 1	16	4	9	..	1299	0	0	B 6	3	4	10 <sup>1</sup> / <sub>2</sub>	..	432	7	7 <sup>1</sup> / <sub>2</sub>
2	9	10	8 <sup>1</sup> / <sub>2</sub>	..	715	2	9 <sup>1</sup> / <sub>2</sub>	7	10	19	8 <sup>1</sup> / <sub>2</sub>	..	376	13	7 <sup>1</sup> / <sub>2</sub>
3	11	11	6 <sup>1</sup> / <sub>2</sub>	..	926	3	4	8	19	9	11 <sup>1</sup> / <sub>2</sub>	..	615	13	6 <sup>1</sup> / <sub>2</sub>
4	36	9	0	..	1620	0	0	9	32	9	3 <sup>1</sup> / <sub>2</sub>	..	708	6	8 <sup>1</sup> / <sub>2</sub>
5	25	0	2 <sup>1</sup> / <sub>2</sub>	..	1125	0	0	10	35	0	3 <sup>1</sup> / <sub>2</sub>	..	800	6	2 <sup>1</sup> / <sub>2</sub>
6	48	8	0	..	1320	0	0	C 1	34	6	5 <sup>1</sup> / <sub>2</sub>	..	605	13	6 <sup>1</sup> / <sub>2</sub>
7	13	10	9	..	380	0	0	2	42	19	5 <sup>1</sup> / <sub>2</sub>	..	302	9	0 <sup>1</sup> / <sub>2</sub>
8	18	9	8 <sup>1</sup> / <sub>2</sub>	..	521	17	9 <sup>1</sup> / <sub>2</sub>	3	22	17	11 <sup>1</sup> / <sub>2</sub>	..	227	2	0 <sup>1</sup> / <sub>2</sub>
9	28	10	0 <sup>1</sup> / <sub>2</sub>	..	651	9	11 <sup>1</sup> / <sub>2</sub>	4	94	5	4 <sup>1</sup> / <sub>2</sub>	..	689	7	1 <sup>1</sup> / <sub>2</sub>
10	58	8	8 <sup>1</sup> / <sub>2</sub>	..	742	1	3 <sup>1</sup> / <sub>2</sub>	5	273	4	6 <sup>1</sup> / <sub>2</sub>	..	1972	3	5 <sup>1</sup> / <sub>2</sub>
B 1	26	5	3 <sup>1</sup> / <sub>2</sub>	..	716	7	2 <sup>1</sup> / <sub>2</sub>	6	182	3	6 <sup>1</sup> / <sub>2</sub>	..	3857	16	5 <sup>1</sup> / <sub>2</sub>
2	36	10	5 <sup>1</sup> / <sub>2</sub>	..	1043	9	6 <sup>1</sup> / <sub>2</sub>	7	392	8	2 <sup>1</sup> / <sub>2</sub>	..	3450	15	3 <sup>1</sup> / <sub>2</sub>
3	74	8	3 <sup>1</sup> / <sub>2</sub>	..	1488	5	0 <sup>1</sup> / <sub>2</sub>	8	335	7	5 <sup>1</sup> / <sub>2</sub>	..	1700	2	6 <sup>1</sup> / <sub>2</sub>
4	44	2	9 <sup>1</sup> / <sub>2</sub>	..	830	17	2 <sup>1</sup> / <sub>2</sub>	9	120	16	5 <sup>1</sup> / <sub>2</sub>	..	981	16	10 <sup>1</sup> / <sub>2</sub>
5	94	0	7 <sup>1</sup> / <sub>2</sub>	..	2905	10	4 <sup>1</sup> / <sub>2</sub>	10	413	0	2 <sup>1</sup> / <sub>2</sub>	..	1601	19	9 <sup>1</sup> / <sub>2</sub>

Discount.				Ready Money.				Discount.				Ready Money.			
£. s. d.				£. s. d.				£. s. d.				£. s. d.			
D 1	70	0	2½	..	466	14	9½	D 6	14	0	2½	..	373	11	9½
2	63	12	1½	..	619	5	4½	7	96	16	2½	..	553	3	9½
3	26	12	3½	..	829	11	0½	8	29	11	0½	..	892	18	11½
4	32	12	11½	..	712	7	0½	9	6	1	4½	..	269	14	1½
5	41	7	9½	..	401	6	10½	10	74	2	7½	..	525	17	4½
£. s. d.				£. s. d.				£. s. d.				£. s. d.			
E 1	14	5	6½	F 1	276	19	0½	G 1	244	8	0½	2112	12	10	nearly
2	11½	15	9½	2	2477	1	10½	2	15	2	8½	14	12	6½	(Page 155.)
3	11	8	3½	3	1651	14	6½	3	0	10	4½	6	0	0	6½
4	497	14	6½	4	45	15	8½	4	0	15	9½	7	0	1	2½
5	759	14	3½	5	72	4	11½	5	1	0	8½	8	1	0	8½
(Page 154.)				6	811	2	11½	6	0	1	5½	9	0	1	5½
6	71	4	1½	7	1	13	5½	7	0	1	5½	10	0	1	5½
7	478	18	3½	8	2	6	1½	8	0	1	5½				
8	145	16	2½	9	159	7	0½								
9	1444	11	9½	10	4482	3	8½								
10	13	4	9½												

## BARTER. (Page 155.)

A 1	180 lbs.	B 1	1l. 6s. 11½d.	C 1	12s. per gallon	
2	10 cwt. 5 lbs.	(Page 156.)			2	27½ quarters
3	17 reams	2	2l. 5s. 0d.	3	12s. 6d. per yard	
4	681½ yards	3	6s. 8d. per bushel	4	451 yards	
5	200 gallons	4	1s. 2d. per gross	(Page 157.)		
6	40½ yards	5	3s. 7½d. per yard	5	1l. 1s. 10d.	
7	30 quarters	6	2s. 0½d. per yard	6	2s. 6d. per lb.	
8	73 cwt.	7	1s. 8½d. per lb.	7	10s. 6d. per stone	
9	325 yards	8	1l. 6s. 3d. per yard	8	520½ lbs.; 77l.	
10	24l. 12s. 9d.	9	1s. 3½d. per quire	9	184 tons of each	
	342½ lbs.	10	285 gals. at 1s. 7d. pr. gal.	10	111 bags	

## PROFIT AND LOSS. (Page 157.)

A 1	20 per cent. gain	B 4	16½ per cent. gain	£ s. d.		
2	12½ per cent. gain	5	7½ per cent. gain	C 7	4 11 6½	
3	6½ per cent. loss	(Page 158.)			8	3 3 3½
4	8 per cent. loss	6	15 per cent. gain	9	0 15 7	
5	10½ per cent. gain	7	6½ per cent. loss	10	4 18 9½	
(Page 158.)		8	30 per cent. loss	D 1	5 10 3	
6	12 per cent. gain	9	8½ per cent. loss	2	8 12 6	
7	11½ per cent. gain	10	33½ per cent. gain	3	2 14 11½	
8	9½ per cent. loss	£ s. d.			4	1 5 5½
9	8½ per cent. loss	C 1	13 7 9	5	1 5 8½	
10	31½ per cent. gain	2	6 12 3	6	1 4 0½	
(Page 157.)		3	1 7 9½	7	0 10 1½	
B 1	16 per cent. gain	4	25 9 10	8	6 1 1½	
2	7½ per cent. gain	5	1 1 0	9	3 1 11½	
3	25 per cent. gain	6	9 12 6	10	5 9 0½	

£ s. d.			(Page 159.)			I 1 9s. 7d. per yard		
E 1	0	6	8	G 1	28 per cent. gain	2	8 $\frac{1}{2}$ d. per lb.	3 6s. 8d. per lb.
2	0	10	5	2	17 per cent. gain	3	6s. 8d. per lb.	4 5s. 11 $\frac{1}{2}$ d. per lb.
3	5	16	8	3	55 $\frac{1}{2}$ per cent. gain	4	5s. 11 $\frac{1}{2}$ d. per lb.	5 2s. 11d. per yard
4	0	16	8	4	15 per cent. gain	5	2s. 11d. per yard	6 16 $\frac{1}{2}$ per cent.
5	4	4	0	5	39 $\frac{1}{2}$ per cent. gain	6	16 $\frac{1}{2}$ per cent.	7 35 $\frac{1}{2}$ per cent.
6	2	5	0	6	47 per cent. gain	7	35 $\frac{1}{2}$ per cent.	8 8s. per yard
7	1	9	2	7	30 $\frac{1}{2}$ per cent. gain	8	8s. per yard	9 10 $\frac{1}{2}$ per cwt.
8	4	11	8	8	44 per cent. gain	9	10 $\frac{1}{2}$ per cwt.	10 5s. 7 $\frac{1}{2}$ d.
9	1	17	6	9	28 $\frac{1}{2}$ per cent. gain	J 1	18 $\frac{1}{2}$	2 13s. 0 $\frac{1}{2}$ d. per yard
10	2	18	4	10	50 per cent. gain	(Page 160)		
F 1	2	5	10	H 1	28 per cent. loss	2	13s. 0 $\frac{1}{2}$ d. per yard	3 16 $\frac{1}{2}$ 16s. per cwt.
2	5	16	8	2	20 per cent. loss	3	16 $\frac{1}{2}$ 16s. per cwt.	4 1 $\frac{1}{2}$ 19s. 4 $\frac{1}{2}$ d. per gal.
3	1	2	11	3	21 $\frac{1}{2}$ per cent. loss	4	1 $\frac{1}{2}$ 19s. 4 $\frac{1}{2}$ d. per gal.	5 0 $\frac{1}{2}$ 10s. 9 $\frac{1}{2}$ d. per yard
4	2	18	4	4	26 $\frac{1}{2}$ per cent. loss	5	0 $\frac{1}{2}$ 10s. 9 $\frac{1}{2}$ d. per yard	6 14 $\frac{1}{2}$ 8s.
5	1	0	10	5	16 $\frac{1}{2}$ per cent. loss	6	14 $\frac{1}{2}$ 8s.	7 2 $\frac{1}{2}$ 2s. 9d. per cwt.
6	10	0	0	6	14 $\frac{1}{2}$ per cent. loss	7	2 $\frac{1}{2}$ 2s. 9d. per cwt.	8 11 $\frac{1}{2}$ bushels
7	0	4	8 $\frac{1}{2}$	7	34 per cent. loss	8	11 $\frac{1}{2}$ bushels	9 6 $\frac{1}{2}$ d. per gallon
8	1	17	6	8	20 $\frac{1}{2}$ per cent. loss	9	6 $\frac{1}{2}$ d. per gallon	10 2 $\frac{1}{2}$ 16s. 3d. per quarter
9	0	3	6 $\frac{1}{2}$	9	33 per cent. loss			
10	1	7	1	10	27 per cent. loss			

## PARTNERSHIP. (Page 160.)

A 1	A 156 $\frac{1}{2}$ ; B 264 $\frac{1}{2}$ .	B 10	A 1184 $\frac{1}{2}$ 6s. 8d.; B 1484 $\frac{1}{2}$ 19s. 0d.; C 1186 $\frac{1}{2}$ 14s. 4d.
2	A 100 $\frac{1}{2}$ ; B 140 $\frac{1}{2}$ .	C 1	A 251 $\frac{1}{2}$ 8s. 6 $\frac{1}{2}$ d.; B 188 $\frac{1}{2}$ 11s. 5 $\frac{1}{2}$ d. (Page 162.)
3	A 433 $\frac{1}{2}$ 6s. 8d.; B 566 $\frac{1}{2}$ 13s. 4d.	2	A 100 $\frac{1}{2}$ ; B 225 $\frac{1}{2}$ ; C 370 $\frac{1}{2}$ .
4	A 324 $\frac{1}{2}$ ; B 396 $\frac{1}{2}$ .	3	A 510 $\frac{1}{2}$ ; B 450 $\frac{1}{2}$ ; C 187 $\frac{1}{2}$ 10s.
5	A 90 $\frac{1}{2}$ ; B 150; C 210 $\frac{1}{2}$ .	4	A 24 $\frac{1}{2}$ 10s.; B 24 $\frac{1}{2}$ ; C 20 $\frac{1}{2}$ .
6	A 160 $\frac{1}{2}$ ; B 240 $\frac{1}{2}$ ; C 300 $\frac{1}{2}$ .	5	A 12 $\frac{1}{2}$ ; B 15 $\frac{1}{2}$ ; C 19 $\frac{1}{2}$ 4s.
7	10 $\frac{1}{2}$ ; 166 $\frac{1}{2}$ 19s. 4d.; 233 $\frac{1}{2}$ 6s. 8d. (Page 161.)	6	A 1 $\frac{1}{2}$ ; B 1 $\frac{1}{2}$ ; C 2 $\frac{1}{2}$ .
8	18s.; 1 $\frac{1}{2}$ 2s.; 1 $\frac{1}{2}$ 8s.; 1 $\frac{1}{2}$ 12s.	7	A 8 $\frac{1}{2}$ 8s.
9	A 1333 $\frac{1}{2}$ 6s. 8d.; B 1666 $\frac{1}{2}$ 13s. 4d.; C 1066 $\frac{1}{2}$ 13s. 4d.; D 3333 $\frac{1}{2}$ 6s. 8d.	8	A 49 $\frac{1}{2}$ 4s.; B 32 $\frac{1}{2}$ 8s.
10	A 9 $\frac{1}{2}$ ; B 12 $\frac{1}{2}$ .	9	A 500 $\frac{1}{2}$ ; B 340 $\frac{1}{2}$ ; C 450 $\frac{1}{2}$ .
B 1	A 34 tuns.; B 40 tuns.; C 60 tuns	10	A 250 $\frac{1}{2}$ ; B 262 $\frac{1}{2}$ 10s.; C 200 $\frac{1}{2}$ .
2	A 67 $\frac{1}{2}$ 4s.; B 89 $\frac{1}{2}$ 12s.; C 134 $\frac{1}{2}$ 8s.	D 1	A 338 $\frac{1}{2}$ 6s. 8d.; B 358 $\frac{1}{2}$ 6s. 8d.; C 308 $\frac{1}{2}$ 6s. 8d.
3	A 12 $\frac{1}{2}$ ; B 14 $\frac{1}{2}$ .	2	A 206 $\frac{1}{2}$ 5s.; B 265 $\frac{1}{2}$ ; C 151 $\frac{1}{2}$ 5s.; D 127 $\frac{1}{2}$ 10s.
4	A 8 $\frac{1}{2}$ ; B 6 $\frac{1}{2}$ .	3	A 569 $\frac{1}{2}$ 2s. 7 $\frac{1}{2}$ d.; B 450 $\frac{1}{2}$ 17s. 4 $\frac{1}{2}$ d. (Page 163.)
5	A 18 $\frac{1}{2}$ 13s. 4d.; B 21 $\frac{1}{2}$ 6s. 8d.; C 24 $\frac{1}{2}$ ; D 26 $\frac{1}{2}$ 13s. 4d.; E 29 $\frac{1}{2}$ 6s. 8d.	4	A 581 $\frac{1}{2}$ ; B 427 $\frac{1}{2}$ .
6	A gained 39 $\frac{1}{2}$ 15s. 9 $\frac{1}{2}$ d. and B 59 $\frac{1}{2}$ ; 4s. 2 $\frac{1}{2}$ d.; B put in 89 $\frac{1}{2}$ 5s. 8 $\frac{1}{2}$ d. and C 135 $\frac{1}{2}$ 14s. 3 $\frac{1}{2}$ d.	5	A 136 $\frac{1}{2}$ 10s.; B 142 $\frac{1}{2}$ 10s.; C 171 $\frac{1}{2}$ .
7	A 1021 $\frac{1}{2}$ 5s. 6 $\frac{1}{2}$ d.; B 765 $\frac{1}{2}$ 19s. 1 $\frac{1}{2}$ d.; C 612 $\frac{1}{2}$ 15s. 3 $\frac{1}{2}$ d.	6	A 495 $\frac{1}{2}$ ; B 495 $\frac{1}{2}$ .
8	A 360 $\frac{1}{2}$ ; B 420 $\frac{1}{2}$ ; C 600 $\frac{1}{2}$ ; D 780 $\frac{1}{2}$ .	7	A 150 $\frac{1}{2}$ ; B 450 $\frac{1}{2}$ .
9	A 1250 $\frac{1}{2}$ ; B 1406 $\frac{1}{2}$ 5s.; C 1562 $\frac{1}{2}$ 10s.; D 781 $\frac{1}{2}$ 5s.	8	A 60 $\frac{1}{2}$ ; B 54 $\frac{1}{2}$ ; C 24 $\frac{1}{2}$ .
		9	A 900 $\frac{1}{2}$ ; B 540 $\frac{1}{2}$ ; C 720 $\frac{1}{2}$ .
		10	A 490 $\frac{1}{2}$ ; B 572 $\frac{1}{2}$ ; C 584 $\frac{1}{2}$ .

## STOCKS. (Page 164.)

£. s. d.	£. s. d.	£. s. d.
A 1 690 0 0	B 5 1129 4 4½	C 8 2600 0 0
2 712 0 0	6 1807 10 0	9 2427 12 7½
3 1050 0 0	7 662 13 0	10 1483 10 3½
4 1317 10 0	8 1478 1 3	D 1 3000 0 0
5 550 8 0	9 941 11 3	2 2166 11 4½
6 888 10 0	10 2450 6 0	3 2772 5 6½
7 1941 4 0	C 1 1900 0 0	4 3914 5 8½
8 882 0 0	2 1177 1 8	5 2165 8 3½
9 504 0 0	3 1186 16 10½	6 2240 0 0
10 1305 0 0	4 2857 2 10½	7 1963 18 4½
B 1 2543 15 0	5 3426 19 3½	8 3024 11 0½
2 1221 10 0	6 2978 5 2½	9 2536 17 10½
3 612 11 3	7 4800 0 0	10 3234 15 7½
4 377 10 0		
E 1 4 per cent.	F 1 4½ or 4½ 17s. 3½d. per cent.	
2 6½ per cent.	2 3½ or 3½ 6s. 3½d. per cent.	
3 4½ or 4½ 2s. 4½d. per cent.	3 4½ or 4½ 4s. 7½d. per cent.	
4 4½ or 4½ 18s. 10½d. per cent.	4 5½ or 5½ 6s. 8½d. per cent.	
5 3½ or 3½ 8s. 11½d. per cent.	5 3½ or 3½ 11s. 8½d. per cent.	
6 3½ or 3½ 16s. 1½d. per cent.	6 5½ or 5½ 10s. 1½d. per cent.	
7 5½ or 5½ 16s. 10½d. per cent.	7 5½ or 5½ 17s. 5½d. per cent.	
8 4½ or 4½ 18s. 9½d. per cent.	8 4½ or 4½ 3s. 8½d. per cent.	
9 3½ or 3½ 14s. 5½d. per cent.	9 4½ or 4½ 13s. 10½d. per cent.	
10 5½ or 5½ 1s. 1½d. per cent.	10 3½ or 3½ 17s. 10½d. per cent.	
(Page 165.)		
£. s. d.	£. s. d.	£. s. d.
G 1 72 0 0	I 1 3485 0 0	K 1 1389 11 8
2 60 0 0	2 1350 0 0	2 5 15 0½
3 48 0 0	3 1137 10 0	3 3253 6 8
4 120 0 0	4 800 0 0	4 97 10 8½
5 144 0 0	5 1560 0 0	5 1920 0 0
6 54 5 0	6 723 6 8	6 1287 13 5½
7 111 7 6	7 990 0 0	7 Lose 18 1½
8 96 0 0	8 1333 15 0	(Page 166.)
9 52 10 0	9 1198 13 4	8 800 0 0
10 83 5 0	10 1872 0 0	9 54 0 0
H 1 56 0 0	J 1 3600 0 0	10 In the 3 per cent.
2 90 0 0	2 2146 13 4	L 1 45½
3 84 0 0	3 2354 3 4	2 80½ per cent.
4 140 0 0	4 2867 3 9	3 4½ per cent.
5 157 10 0	5 2268 0 0	4 144½
6 72 0 0	6 2049 0 0	5 518½ 12s. 2½d.
7 140 0 0	7 1797 9 4½	6 1200½
8 157 10 0	8 2164 2 6	7 405½ 7s. 6d. cost,
9 105 0 0	9 1836 13 4	14½ 2s. 0d. income
10 168 0 0	10 2995 13 4	8 272½ 13s. 4½d.
		9 1566½ 2s. 7½d.
		10 22½ 10s. 4½d.



M1 287. 11s. 9 <sup>1</sup> / <sub>2</sub> d.	M5 76l.	M9 21877. 10s 0d. cost;
2 327. 5s. 9 <sup>1</sup> / <sub>2</sub> d.	6 1600l.	2317. 7s. 6d. gain
3 887. 0s. 6 <sup>1</sup> / <sub>2</sub> d. pr. ct.	(Page 167.)	10 In the 4 per cent. at
4 56007. in the 4 <sup>1</sup> / <sub>2</sub>	7 857. 15s.	75 <sup>1</sup> / <sub>2</sub> .
42177. 5s. 4d.	8 1506	

## EXCHANGE. (Page 167.)

IRELAND.			Florins. Cents.			£. s. d.			£. s. d.		
£. s. d.			D 4 6326.25			G 7 664 2 4 <sup>1</sup> / <sub>2</sub>			J 9 193 4 9 <sup>1</sup> / <sub>2</sub>		
A 1 424 0 0			5 7945.38			8 615 2 8 <sup>1</sup> / <sub>2</sub>			10 208 7 6		
2 494 12 9 <sup>1</sup> / <sub>2</sub>			£. s. d.			9 1056 7 3 <sup>1</sup> / <sub>2</sub>			NAPLES.		
3 614 19 3			6 820 0 0			10 676 0 5 <sup>1</sup> / <sub>2</sub>			Ducats. Grané.		
4 750 8 0			7 520 3 4			(Page 169.)			K 1 4537 50		
5 813 15 0			8 756 2 6			FRANKFORT ON THE			2 5007 75		
6 800 0 0			9 605 10 0			MAIN.			3 2639 48		
7 880 0 0			10 400 3 7 <sup>1</sup> / <sub>2</sub>			Rixd. Kreuzers.			4 5122 93		
8 750 0 0			HAMBURG.			H 1 4974 40			5 5734 0		
9 533 6 8			Marks. Sch.			2 3858 80			£. s. d.		
10 666 13 4			E 1 11343 12			3 5674 60			6 755 5 0		
FRANCE.			2 8775 0			4 6381 18			7 643 12 6		
Francs. Cents.			3 12902 6			5 5025 0			8 856 2 6		
B 1 21377.50			4 10208 13 <sup>1</sup> / <sub>2</sub>			£. s. d.			9 1110 18 7 <sup>1</sup> / <sub>2</sub>		
2 18848.50			5 7510 15			6 561 5 10 <sup>1</sup> / <sub>2</sub>			10 1381 5 4 <sup>1</sup> / <sub>2</sub>		
3 12677.50			£. s. d.			7 632 4 7 <sup>1</sup> / <sub>2</sub>			(Page 170.)		
4 17338.75			6 528 0 0			8 650 15 0			PALERMO.		
5 19204.40			7 615 2 6			9 742 0 0			Oncie. Tari. Grané.		
£. s. d.			8 706 11 7 <sup>1</sup> / <sub>2</sub>			10 837 9 2 <sup>1</sup> / <sub>2</sub>			L 1 294 3 18 <sup>1</sup> / <sub>2</sub>		
6 60 0 0			9 578 4 0 <sup>1</sup> / <sub>2</sub>			AUSTRIA.			2 452 26 7 <sup>1</sup> / <sub>2</sub>		
7 100 16 0			10 725 12 5 <sup>1</sup> / <sub>2</sub>			Florins. Kreuzers.			3 745 22 0		
8 121 6 8			PRUSSIA.			I 1 8438 0			4 1004 5 0		
9 140 0 0			Dollars. Groschen.			2 6518 12			5 1621 27 2 <sup>1</sup> / <sub>2</sub>		
10 288 13 4			F 1 3690 0			3 7863 5			£. s. d.		
BELGIUM.			2 4980 0			4 6970 50			6 160 11 4 <sup>1</sup> / <sub>2</sub>		
Florins. Gts.			3 5413 10			5 8658 0			7 107 8 11 <sup>1</sup> / <sub>2</sub>		
C 1 5450 25			4 5952 7 <sup>1</sup> / <sub>2</sub>			£. s. d.			8 214 6 2 <sup>1</sup> / <sub>2</sub>		
2 7578 30			5 3822 15			6 474 4 2 <sup>1</sup> / <sub>2</sub>			9 250 0 0		
3 9187 20			£. s. d.			7 673 5 0 <sup>1</sup> / <sub>2</sub>			10 435 18 8 <sup>1</sup> / <sub>2</sub>		
4 9450 0			6 835 15 2 <sup>1</sup> / <sub>2</sub>			8 585 17 5 <sup>1</sup> / <sub>2</sub>			TUSCANY.		
5 7760 0			7 447 0 6 <sup>1</sup> / <sub>2</sub>			9 750 0 0			Lire. Centis.		
£. s. d.			8 647 1 2 <sup>1</sup> / <sub>2</sub>			10 688 0 1 <sup>1</sup> / <sub>2</sub>			M 1 18120		
6 580 0 0			9 755 12 7 <sup>1</sup> / <sub>2</sub>			LOMBARDO-VENETO.			2 15522		
7 832 0 0			10 995 2 5 <sup>1</sup> / <sub>2</sub>			Lire. Centis.			3 25087.90		
8 724 0 0			RUSSIA.			J 1 16125			4 22240.40		
9 520 0 0			£. Rubles. Copecs.			2 22830.72			5 13592.25		
10 454 14 6 <sup>1</sup> / <sub>2</sub>			G 1 3221 47 <sup>1</sup> / <sub>2</sub>			3 25506.90			£. s. d.		
(Page 168.)			2 4800 0			4 28580			6 288 0 0		
NETHERLANDS.			3 3921 56 <sup>1</sup> / <sub>2</sub>			5 26643.75			7 220 10 0		
Elorins. Cents.			4 3137 8 <sup>1</sup> / <sub>2</sub>			£. s. d.			8 175 5 0		
D 1 9560.0			5 4345 37 <sup>1</sup> / <sub>2</sub>			6 288 10 0			9 210 6 8		
2 7848.75			£. s. d.			7 245 5 0			10 330 5 0		
3 8865.00			6 906 8 4			8 218 8 0					

GENOA.			£. s. d.			£. s. d.			Sp. Dol. Oboli.					
Lire. Nouve. Centis,			Q 2	959	0	10 <sup>100</sup>	U 6	675	0	0	Y 3	3072	0	
N 1	13144		9	704	0	3 <sup>1</sup>	7	650	13	4	4	3862	428 <sup>1</sup>	
2	11286		10	1161	11	6 <sup>1</sup>	8	416	16	8	5	1577	71 <sup>1</sup>	
3	8033.90		BREMEN.				9	790	12	6	£. s. d.			
4	7145.75		Rixdollars. Grotes,				10	671	13	4	6	603	16	3 <sup>1</sup>
5	9636.30		R 1	4590	0		TURKEY.				7	707	11	0 <sup>100</sup>
£. s. d.			2	5154	36		Piastres. Paras.				8	976	8	3 <sup>1</sup>
6	168	10	3	5512	36		V 1	54500	0		9	760	11	4 <sup>1</sup>
7	315	4	4	3960	21 <sup>1</sup>		2	49967	20		10	013	18	10 <sup>100</sup>
8	168	1	5	5214	5 <sup>1</sup>		3	41175	0		MALTA.			
9	250	2	£. s. d.				4	28307	20		Pezza. Tari.			
10	392	3	6	1125	0	0	5	68281	10		Z 1	1920	0	
SPAIN.			7	1279	3	8 <sup>1</sup>	£. s. d.				2	2613	10	
Reals of Plate.			8	952	2	4 <sup>1</sup>	6	341	13	4	3	3153	18	
O 1	30720		9	1040	0	0	7	235	3	4	4	4158	11 <sup>1</sup>	
2	38400		10	891	5	7 <sup>1</sup>	8	340	16	8	5	3326	21 <sup>1</sup>	
3	46080		LUBEC.				9	294	14	2	£. s. d.			
4	34560		Marks. Sch.				10	440	7	6	6	552	15	7 <sup>1</sup>
5	34560		S 1	8610	0		EGYPT.				7	681	2	9 <sup>1</sup>
£. s. d.			2	11718	0		Piastres.				8	745	1	4 <sup>1</sup>
6	444	0	3	13909	3		W 1	37000			9	514	6	1 <sup>1</sup>
7	900	6	4	10355	7 <sup>1</sup>		2	34155			10	647	10	6 <sup>1</sup>
8	413	3	5	15252	3		3	47742			ROME.			
9	534	7	£. s. d.				4	53287 <sup>1</sup>			Scu. Rom. Paoli.			
10	620	13	6	650	0	0	5	43508			A 21	2300	0	
(Page 171)			7	725	0	0	£. s. d.				2	1743	7 <sup>1</sup>	
GIBRALTER,			8	800	0	0	6	523	15	8 <sup>1</sup>	3	1327	7	
Dollars.			9	950	0	0	7	1034	0	3 <sup>1</sup>	4	1456	0	
P 1	2280		10	474	1	5 <sup>1</sup>	8	790	13	10 <sup>1</sup>	5	2745	0	
2	4800		(Page 172.)				9	389	1	5 <sup>1</sup>	£. s. d.			
3	3936		DENMARK.				10	430	3	9 <sup>1</sup>	6	800	10	0
4	4032		R. Dollars. Sk.				(Page 173.)				7	733	6	8
5	4000		T 1	4682	28		GREECE.				8	1208	0	0
£. s. d.			2	4218	72		Drach. Lepta.				9	893	7	3 <sup>1</sup>
6	493	10	3	6875	30		X 1	14150			10	772	8	7 <sup>1</sup>
7	783	15	4	7883	72		2	13537.50			(Page 174.)			
8	1558	0	5	8671	84		3	20484			GENEVA.			
9	1842	15	£. s. d.				4	18243.55			Francs. Cents.			
10	1023	15	6	768	0	4 <sup>1</sup>	5	20634.60			B 21	12725		
PORTUGAL.			7	730	15	4 <sup>1</sup>	£. s. d.				2	11252.	75	
• Reis.			8	768	0	0	6	625	0	0	3	9645.	50	
Q 1	2:105.263 <sup>1</sup>		9	576	10	0	7	900	10	0	4	12328.	70	
2	3:840		10	480	3	4	8	600	16	8	5	16677		
3	3:185.840 <sup>1</sup>		SWEDEN & NORWAY.				9	500	18	4	£. s. d.			
4	4:069.563 <sup>1</sup>		Riksdalers. Sk.				10	780	16	0	6	375	0	0
5	3:840		U 1	6020	40		IONIAN ISLANDS.				7	450	4	0
£. s. d.			2	8760	20		Sp. Dol. Oboli.				8	520	10	0
6	872	5	3	5654	33		Y 1	1920	0		9	500	3	4
7	975	1	4	6508	6		2	2400	0		10	720	6	8
			5	9625	0									

\* Cantos of Reis are separated from Milreis by a double point(.:), and Milreis from Reis by a single point(.).

BASLE		£.	s.	d.
Franks.Raps.				
C2 1	8725	7	502	16 8
2	7595	8	624	4 0
3	15443.75	9	787	6 5½
4	12943.10	10	841	7 9½
5	12339	(Page 175.)		
£. s. d.		SAXONY.		
		Dollars. N.G.		
6	1200 4 0	F2 1	3308	10
7	833 13 4	2	4833	10
8	083 8 0	3	5699	0
9	720 6 8	4	4920	9
10	525 1 8	5	4617	0
ST. GALLEN.		£.	s.	d.
Florins. Kru.				
D2 1	6125 0	7	865	14 0½
2	9398 40	8	902	0 9½
3	10695 50	9	1081	18 4½
4	8305 48	10	847	4 5½
5	9622 55	BRITISH PROVINCES		
£. s. d.		IN NORTH AMERICA,		
		AND THE UNITED		
		STATES.		
6	376 1 4	G2 1	1612½	dollars.
7	502 12 0	2	3300	dollars.
8	615 10 0	3	2712½	dollars.
9	664 13 3½	4	2242½	dollars.
10	770 16 0½	5	3600	dollars.
AUGSBURG.		£.	s.	d.
Florins. Kru.				
E2 1	4916 40	6	312	10 0
2	7239 10	7	500	0 0
3	8036 0	8	337	10 0
4	9135 45	9	675	0 0
5	8672 24	10	562	10 0

## CROSS EXCHANGES.

M2 1	5450 Florins
	6060 Marks 6½ Sch.
2	8907 Francs 65½ Cents
	2430 Prussian Dollars 24½ Gros.
	3468 Florins 2½ Kreuzers
3	1920 Ducats
	9660 Lire Toscane
	8221 Lire Nouve 27½ Cents
	(Page 177)
4	6575 Rixdollars 61½ Grotes
	12858 Florins 13½ Cents
	10747 Florins 5½ Kreuzers
5	8000 Francs
	3152 Florins 28½ Kreuzers
	4873 Marks 10½ Sch.
	1:303.849 1½

WEST INDIES.		£.	s.	d.
SPANISH SETTLEMENTS IN SOUTH AMERICA.				
H2 1	2400 dollars.	J 2 6	546	17 6
2	1748½ dol.	7	499	7 6
3	3618½ dol.	8	753	7 5½
4	3040 dollars.	9	774	2 2½
5	2240 dollars.	10	926	6 7½
CAPE OF GOOD HOPE.		£.	s.	d.
K2 1	6666½ Rixd.	2	4931½	Rd.
	£. s. d.	3	3600	Rd.
6	666 13 4	4	7570½	Rd.
7	895 1 6½	5	10330½	Rd.
8	437 3 6½	£. s. d.		
9	661 8 10½	6	312	5 3
10	813 5 2½	7	249	11 10½
EAST INDIES.		£.	s.	d.
I 2 1	5052½ C. Ru.	8	555	16 11½
2	4320 C. Ru.	9	534	12 2½
3	8640 C. Ru.	10	430	19 1½
4	4560 C. Ru.	CHINA.		
5	7040 C. Ru.	L2 1	1549½	Taels.
£. s. d.		2	2726½	Taels.
6	372 9 7	3	2453½	Taels.
7	406 17 6	4	1635½	Taels.
8	771 9 0½	5	1817½	Taels.
9	697 18 10½	£. s. d.		
10	705 14 8½	6	588	0 0
	(Page 176.)	7	738	6 8
BRAZIL.		8	707	15 0
J 2 1	457 Milreis.	9	815	16 8
2	3328½ Milreis.	10	1033	13 4
3	6400 Milreis.			
4	4400 Milreis.			
5	6000 Milreis.			

## ARBITRATIONS OF EXCHANGE.

N2 1	25 Francs 35½ Cents
2	13 Marks 12 Sch. 2½ Pfenning
3	Reis. 4.352 per £ sterling, or
	55½ d. per Milreis
4	13 Marks 9½ Sch.
5	12 Florins 17½ Cents

## COMPOUND ARBITRATIONS.

O2 1	25 Francs 55½ Cents
2	25 Francs 19½ Cents
	(Page 178.)
3	25 Francs 71½ Cents
4	11, 8s. 8½ d. profit
5	152 Batzen 3½ Kreuzers

## COMPOUND PROPORTION. (Page 178.)

A 1 130 <i>l.</i> 10 <i>s.</i>	C 6 5½ hours	F 1 8½ miles	H 6 22½ tons
2 15 days	7 56 quarters	2 124½ days	7 108 lbs.
3 16 men	8 84 loads	3 672 bricks	8 1968½ gallons
4 4 <i>l.</i> 16 <i>s.</i>	9 20 cwt.	(Page 182.)	9 36 men
(Page 179.)	10 60 men	4 11½ 10 <i>s.</i> 4½ d.	10 67½ 10 <i>s.</i>
5 162 suits	D 1 4 lbs. 14 oz.	5 154 <i>l.</i> 6 <i>s.</i> 0½ d.	I 1 68571½ feet
6 18½ barrels	2 1½ acres	6 15 horses	2 7 <i>s.</i> 6 <i>d.</i> per bag
7 29 <i>l.</i> 15 <i>s.</i>	3 78 acres	7 36 days	3 44½ days
8 9 <i>l.</i> 19 <i>s.</i> 1½ d.	4 106 <i>l.</i>	8 21 men	4 6 horses
9 67½ 10 <i>s.</i>	5 15 months	9 32 men	(Page 184)
10 9½ days	6 78 men	10 16 days	5 11½ days
B 1 600 <i>l.</i>	7 6 <i>l.</i> 10 <i>s.</i>	G 1 128 miles	6 41½ 9 <i>s.</i> 6 <i>d.</i>
2 149 <i>l.</i> 6 <i>s.</i> 8 <i>d.</i>	(Page 181.)	2 2 <i>l.</i> 0 <i>s.</i> 10 <i>d.</i>	7 200 men
3 38½ days	8 133½ 17 <i>s.</i> 6 <i>d.</i>	3 30 persons	8 220½ yards
4 75 reams	9 4 <i>l.</i> 0 <i>s.</i> 4½ d.	4 560 <i>l.</i>	9 145½ tons
5 35 days	10 72 days	5 291½ miles	10 937½ lbs.
6 440 <i>l.</i>	E 1 375 <i>l.</i>	6 392 cattle	J 1 180 men
7 2 <i>l.</i> 18 <i>s.</i> 4 <i>d.</i>	2 2 pounds	7 7 men	2 10 compositors
8 175 <i>l.</i> 15 <i>s.</i> 7½ d.	3 3 months	8 23 wks. 5½ days	3 420 days
9 53 <i>l.</i> 2 <i>s.</i> 6 <i>d.</i>	4 12½ 13 <i>s.</i>	9 36 pecks	4 180 men
10 857½ 2 <i>s.</i> 10½ d.	5 54½ miles	10 16 horses	(Page 185.)
C 1 315 <i>l.</i> 16 <i>s.</i> 8 <i>d.</i>	6 24 weeks	H 1 18 horses	5 2½ feet
(Page 180.)	7 24 <i>l.</i> 10 <i>s.</i>	(Page 183.)	6 325 men
2 210 days	8 1 <i>s.</i> 6 <i>d.</i> per gal.	2 12 months	7 480 days
3 14 days	9 4 <i>l.</i> 2 <i>s.</i> 6 <i>d.</i>	3 86½ 13 <i>s.</i> 4 <i>d.</i>	8 220½ lbs.
4 12 days	10 2 days	4 200 lbs.	9 45½ days
5 812½ barrels		5 40 men	10 44½ tons

## ARITHMETICAL PROGRESSION. (Page 185.)

## No. 18.

(Page 186.)

A 1 77	B 1 42½	C 1 26	D 1 2500	E 1 28	F 1—330
2 84	2 79½	2 29	2 551	2 44½	2—289
3 68	3 165½	3 54	3 325	3 147½	3—704
4 132	4 33½	4 9	4 540	4 94½	4—2831
5 139	5 104½	5 102	5 340	5 303½	5—1540
6 156	6 263½	6 80½	6 10400	6 1637½	6—124½
7 51	7 301½	7 40	7 6500	7 2693½	7—682
8 383	8 494½	8 78	8 1911	8 7091	8—1989
9 351	9 212½	9 142½	9 867	9 4063½	9—2930
10 588½	10 691½	10 57½	10 930	10 19358½	10—3348½
G 1 8, 14		G 9 7½, 9½, 11½		H 6 3½, 1½, 1½	
2 5, 9, 13		10 3½, 4½, 5, 5½, 6½		7 3½, 5½, 7½, 8½	
3 8, 13, 18, 23		H 1 1½, 2½, 3½		8 5½, 8½, 11½, 14½	
4 12, 18, 24, 30, 36		2 1½, 1½, 2½, 3½		17½	
5 5, 7, 9, 11, 13, 15		3 2½, 3½, 3½, 4½, 5½		9 7½, 8½, 10½, 11½	
6 1½, 1½, 1½, 1½, 1½, 1½		4 3½, 4½, 5½, 6½		13½, 15½	
7 3, 4, 5, 6, 7, 8, 9, 10		7½, 8½		10 3½, 4½, 5½, 6½	
8 9½, 12, 14½, 17, 19½		5 5½, 7½, 8½, 10½		7½, 8½, 9½, 10½	
22, 24½					

# GEOMETRICAL PROGRESSION. (Page 187.)

## No. 19.

A 1 390625	A 9 371115	B 7 7111	C 4 100
2 19083	10 111111	8 17111111	5 111, 333, 999
3 4096	B 1 4095	9 211111111	6 $\frac{1}{2}$ , $\frac{1}{4}$
4 81920	2 20523	10 9111	7 $\frac{1}{8}$
5 111111	3 195312	C 1 6	8 $\frac{1}{2}$ , $\frac{1}{4}$
6 1111	4 1747621	2 4, 16	9 $4\frac{1}{2}$ , $6\frac{1}{2}$ , $10\frac{1}{2}$
7 111	5 2332711	3 8	10 $2\frac{1}{2}$
8 1111	6 16111		

# PERMUTATIONS AND COMBINATIONS. (Page 187.)

## No. 20.

A 1 40320	(Page 188.)	C 4 151200	D 5 121399651100
2 720	B 3 37837800	5 3315312000	E 1 1000000
3 5040	4 1513512000	D 1 210	2 11520
4 362880	5 145297152000	2 42504	3 2641807540224
5 479001600	C 1 95040	3 15890700	4 5250000000
B 1 907200	2 99909120	4 4845	5 3487050000000
2 3705077376000	3 5040		

# EQUATION OF PAYMENTS. (Page 189.)

## No. 21.

A 1 6mths. $7\frac{1}{2}$ days	A 8 61111, months	B 5 6mths. 15 days
2 6mths. 24 days	9 7mths. $6\frac{1}{2}$ days	6 4mths. 5 days.
3 12mths. $13\frac{1}{2}$ days	10 4mths. $23\frac{1}{2}$ days	7 5mths. $26\frac{1}{2}$ days
4 5mths. $16\frac{1}{2}$ days	B 1 9mths. $7\frac{1}{2}$ days	8 6mths. $23\frac{1}{2}$ days
5 $63\frac{1}{2}$ days	2 6mths. 10 days	(Page 190.)
6 6mths. $20\frac{1}{2}$ days	3 6mths. $16\frac{1}{2}$ days	9 3mths. 18 days
7 7mths. $4\frac{1}{2}$ days	4 5mths. 15 days	10 4mths. $19\frac{1}{2}$ days

# SQUARE ROOT. (Page 190.)

## No. 22.

A 1 375	B 5 6798	C 9 408097	E 3 .123456
2 286	6 7496	10 505908	4 410.629
3 469	7 82397	D 1 28.4163	5 .784006
4 587	8 58907	2 37.0092	6 .984013
5 673	9 87643	3 1234.56	7 .009989
6 788	10 97089	4 4.70806	8 9.7908
7 846	C 1 280745	5 568.204	9 100.999
8 958	2 307406	6 .087603	10 .008997
9 1087	3 470351	7 73.8406	F 1 2.74009
10 1706	4 507086	8 6.2843	2 46.2889
B 1 3768	5 675432	9 .084609	3 .019998
2 4107	6 702342	10 .0230768	4 387.059
3 4689	7 445566	E 1 17.0068	5 .009456
4 5827	8 838345	2 3.08761	6 8.07094

F 7 .024198	G 5 2 $\frac{1}{2}$	H 4 3 $\frac{3}{4}$ chains	I 3 84 feet
8 9.00009	6 4 $\frac{1}{2}$	5 1200 links	4 204 miles
9 .909009	7 4 $\frac{1}{4}$	6 13chs. 30 links	5 255 yards
10 77.9988	8 8 $\frac{1}{2}$	7 16.4012, &c.yds.	6 380.4234, &c.
(Page 191.)	9 5.2164, &c.	8 25yds.	(Page 192.)
G 1 4 $\frac{1}{2}$	10 15.9068, &c.	9 65 feet	7 27 yards
2 1 $\frac{1}{2}$	H 1 222.5yds.	10 576,2811, &c.	8 270 feet
3 .6404, &c.	2 12 $\frac{1}{2}$ chains	I 1 148 feet	9 1859.015, &c.ft.
4 .24803, &c.	3 4 chs. 40 links.	2 24 feet	10 128.1719, &c. ft.

### CUBE ROOT. (Page 192.)

#### No. 23.

A 1 29	B 5 623	C 9 8888	E 3 9.246	F 6 9.079	G 10 1.5885&c.
2 37	6 741	10 9999	4 43.87	7 270.9	H 1 25 feet
3 38	7 855	D 1 284.03	5 .08097	8 44.99	2 48 feet
4 46	8 979	2 .0735	6 98.075	9 88.79	3 36 in.
5 57	9 907	3 2.0045	(Page 193)	10 9.786	4 50, 18, &
6 68	10 999	4 71.084	7 6.6608	G 1 $\frac{7}{8}$	24ft.
7 75	C 1 2413	5 .0089	8 .07056	2 $\frac{1}{2}$	5 2ft. 3in.
8 84	2 8709	6 70.063	9 .08075	3 .8177 &c.	6 39 feet
9 99	3 4789	7 65.89	10 .1389	4 .4526 &c.	7 24 feet
10 98	4 6097	8 8.099	F 1 2.876	5 1 $\frac{1}{2}$	8 22.3 &c.
B 1 279	5 4108	9 558.7	2 3.4089	6 3 $\frac{1}{2}$	9 27 in.
2 308	6 3572	10 90.75	3 72.49	7 4 $\frac{1}{2}$	10 20.52 &c.
3 419	7 6079	E 1 .08763	4 .09108	8 2 $\frac{3}{4}$	13.67 &c.
4 509	8 7299	2 1.879	5 .01899	9 1.445 &c.	10.25 &c. ft.

### APPENDIX.

#### TARE AND TRET. (Page 194.)

#### No. 24.

Cwt. qrs. lbs.			Cwt. qrs. lbs.			Cwt. qrs. lbs.			Cwt. qrs. lbs.		
A 1	19	3 5 $\frac{1}{2}$	A 6	104	1 6 $\frac{1}{4}$	B 1	100	3 5 $\frac{1}{2}$	B 6	121	2 14 $\frac{1}{2}$
2	29	2 3 $\frac{1}{2}$	7	82	2 12 $\frac{1}{2}$	2	74	1 8 $\frac{1}{2}$	7	73	0 12 $\frac{1}{2}$
3	27	0 23 $\frac{1}{2}$	8	129	2 24	3	154	1 4	8	43	3 13 $\frac{1}{2}$
4	164	3 6	9	92	1 11 $\frac{1}{2}$	4	162	0 0	9	52	0 8 $\frac{1}{2}$
5	115	0 27 $\frac{1}{2}$	10	95	0 16	5	242	3 12	10	69	1 9 $\frac{1}{2}$

### DUODECIMALS. (Page 195.)

#### No. 25.

Ft. in. "			Ft. in. "			Ft. in. "		
A 1	55	10 10	A 8	224	1 9	B 5	1151	8 10
2	76	9 8	9	286	2 8	6	1843	5 6
3	84	11 1	10	162	4 11	7	2667	1 0
4	99	5 6	B 1	263	3 6	8	4037	4 5
5	99	7 11	2	456	10 1	9	5094	5 4
6	169	2 0	3	685	0 3	10	6850	2 1
7	197	1 8	4	996	4 0			

	Ft. in. " ' " "		Ft. in. " ' " "		Ft. in. " ' " "
C1	50 0 3 11 11	D7	5638 5 4 3 0	F8	5 yds. 1 ft. 9 in., or 46½ square feet
2	73 9 7 10 6	8	7009 4 3 1 4	9	1707.596 &c. gallons
3	66 2 7 11 3	9	7404 3 7 4 6	10	1426 cu. feet
4	65 1 8 5 4	10	8488 11 11 1 3	F1	38 ft. 1 in. 4", or 38½ sq. ft. cost 2l. 6s. 0½d.
5	83 2 6 1 10	E1	13l. 9s. 10½d.	2	23l. 0s. 4½d.
6	111 0 11 9 7	2	46l. 4s. 0d.	3	9l. 3s. 5½d.
7	131 4 9 4 6	3	30 ft. 5 in. 7½ pa., or 30 cu. ft. 810 cu. in.	4	64½ solid feet, or 110880 solid inches
8	161 0 7 5 3	4	30 cwt. 1 qr. 20 lbs. 13½ oz.	5	0l. 17s. 4¾d.
9	247 3 8 11 0	5	21½ square yards	6	576 cubes; £22½ value 9½d. value of each cube
10	474 9 9 1 4	6	7l. 7s. 3d.	7	100l. 9s. 0d.
D1	496 9 6 10 8		(Page 196.)	8	17l. 10s. 11¾d.
2	1099 1 3 4 4	7	60 ft. 4 in. 7" 6" 9"	9	11l. 10s. 7½d.
3	2003 5 2 2 4		or 60 ft. 55½ in.	10	481 cubic feet
4	2851 6 10 11 3				
5	4635 8 3 2 8				
6	5592 5 4 9 9				

## REDUCTION OF FOREIGN WEIGHTS AND MEASURES.

### No. 26. (Page 197.)

A1	54740 $\frac{1}{1000}$ Metres	C9	21475 Covados	F6	940 Schaff
2	20m. 678.8288 yards	10	64.5 Stubchen	7	6470 pounds
3	2500 Kilogrammes	D1	244.9152 gals.	8	72.065 gallons
4	28 cwt. 2 qrs. 4½ lbs.	2	825 Tonnen	9	850 Scheffel
5	1 cwt. 1 qr. 25½ lbs.	3	476.28 quarters	10	3m. 139½ yds.
6	312½ Livres	4	725 Okes	G1	51cwt. 2qrs. 18½ lbs.
7	2500 Ponden	5	2m. 1216 yds. 0ft. 10½ in.	2	7 miles
8	187 lbs. 11 oz.		(Page 198.)	3	180 Bazar Maunds
9	760 Viertels	6	72 Cantars	4	2 tons 10cwt. 7lbs.
10	799 $\frac{1}{1000}$ pounds	7	87cwt. 2qrs. 14lbs.	5	64 Garse
B1	378.025 bushels	8	1075 Kila	6	4 tons 13cwt. 2½ lbs.
2	8750 lbs.	9	78cwt. 3qrs. 1.512lbs.	7	12 Candy 15 Maunds 30 Seers
3	6735½ Arsches	10	2924 Canne 3 Palmi	8	47cwt. 2qrs. 17½ lbs.
4	52 cwt. 0 qr. 25½ lbs.	E1	582.36 quarters	9	64 Candy
5	86940 $\frac{1}{1000}$ ells	2	30000 Canne	10	75 Centner
6	6 cwt. 3 qrs. 16 lbs.	3	1523.88 yards	HI	6331½ gallons
7	740 Metzen	4	68cwt. 1qr. 19½ lbs.	2	16109 $\frac{1}{1000}$ ells
8	89 cwt. 0 qr. 23½ lbs.	5	3cwt. 1qr. 6.3005lbs.		(Page 199.)
9	550 Bariles	6	85 Setiers	3	10cwt. 1qr. 13lbs.
10	11m. 857 yds. 1 ft. 1 in.	7	1675 Ells	4	11 Peculs 80 Catties 12 Tails
C1	750 Rottoli	8	72cwt. 2qrs. 25½ lbs.	5	576 Tails
2	6m. 1122 yds. 2ft. 9in.	9	75 Sacks	6	42.9875 quarters
3	650 Fiaschi	10	43500 pounds	7	625 Metres
4	201.04 Quarters	F1	122½ gallons	8	338lbs. 3oz.
5	3475 pounds	2	212.2 &c. Mutt	9	340000 Arsches
6	139.02 bushels	3	7cwt. 0qrs. 17.42lbs.	10	2925 Braccio
7	1100 Arrobas	4	3512 $\frac{1}{1000}$ lbs.		
8	13lea. 530 yds. 2ft. 4in.	5	117.8125 gallons		

I 1	754.64 gallons.	I 8	500 Hectolitres	J 4	43cwt. 2qrs. 14lbs.
2	5cwt. 3qrs. 17.76625lb.	9	18miles 1702.14 yards	5	33cwt. 1qr. 9½lbs.
3	24 Cantars 26½ Okes	10	809.757 gallons	6	256463¼ quarters
4	8cwt. 3qrs. 14lbs.	J 1	9cwt. 0qrs. 6½lbs.	7	5643.39 quarters
5	77700 Pikes	2	22 Cantari 25 Okes	8	6000000 Malters
6	27 Arrobas	3	3 Candy 10 Maunds	9	4243.05 quarters
7	123qrs. 3bush.	4	Vis. 10 Pollans	10	6930000 Kila

THE END.



1874

1875

1876

1877

It is requested the following Errata may be corrected before the Book is used.

PAGE.	SUM.	ERROR.	CORRECTION.
19	B 2	for rate per mile	Read, rate per hour
23	I 5	15s. 9½d.	15s. 9½
49	H 7	863 acres 1043 yards 2 feet	963 acres 1043 yards 2 feet
50	K 3	1468 yards 16 feet 709 inches	468 yards 16 feet 709 inches
51	S 2	1038 lasts 4w. 3qrs. 6bush.	1038 lasts 1w. 3qrs. 6bush.
58	Y 8	187qrs. 1bush. 4pks. 3gals.	187qrs. 1bush. 3pks. 1 gal.
68	—	C 8	C 3
72	A 10 (Case 2)	9½	2½
75	E 7 (Case 6)	9½	9½
78	B 7	7½	17½
82	E 8	½ of a sovereign	¾ of a sovereign
86	G 3	by ½ of 10½ guineas	by ½ of 10½
90	C 3	.275.816	275.816
90	D 4	.6428571	.6428571
91	D 5	15.769230	15.769230
93	E 3 (Case 8)	27.2179487 ÷ .115346	27.2179487 ÷ .1153846
93	D 9 (Case 9)	.45 of 11s. 6d.	.45 of 7s. 6d.
99	G 8	5.5	3.5
		4.16	4.16
109	(U 3) 3	£1 2s. 7½d.	£1 2s. 7½
116	(X4) 5	4lbs. 3oz. 22dwts.	4lbs. 3oz. 12dwts.
116	(X4) 10	24lbs. 0oz. 20½dwts.	24lbs. 0oz. 10½dwts.
116	(Y4) 1	4lbs. 16oz. 12dwts.	4lbs. 10oz. 12dwts.
126	B 7	If £485 8s. gain, &c., in what time will £768 11s.	If £768 11s. gain, &c. in what time will £415 8s.
141	L 8	£476 8 4½	£476 8s. 4½d.
157	C 9	28700 bricks	287000 bricks
171 (Lubec)		13 Marks 8 Schillings	13 Marks 9 Schillings
183	G 6	3 months	5 months
187	C 6	½ and ⅓	½ and ⅔
187	A 1	wrung	rung
191	H 4	How many chains in a square	How many chains in a side of a square
197	C 2	4400 Palmi	44000 Palmi
199	J 1	16 Taels	10 Taels
199	J 5	7 Candy Maunds	7 Candy 9 Maunds

Add in Tables under China, Page 233, "710 Taels = 1000 Dollars."







